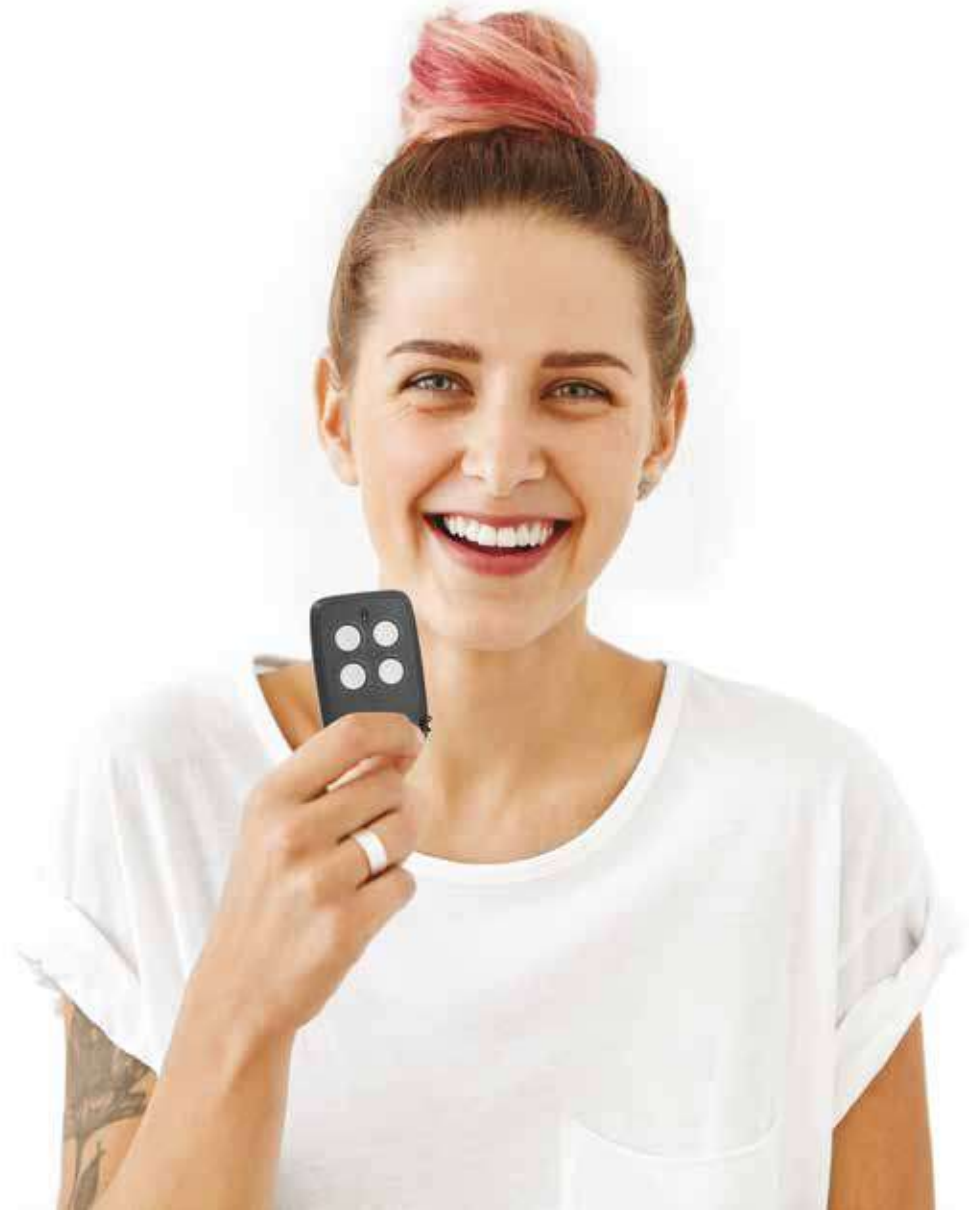


# Open your world

## CATALOGUE

Gate Automation for your home and business.






**EFFORTLESS**  
**SAFE**  
**PROVEN**  
**RELIABLE**  
**SMART**



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# EXPERIENCE

## GATE AUTOMATION, A step back in time over through the past 40 years,

From the very beginning, the company has been driven by continuous innovative commitment, investing in long lasting reliable systems, designed around the installer's needs.

The focus on quality and future result marked the start of a period of international expansion in more than 50 countries world wide.





# THE BEGINNINGS: 1976 - 2000



START

1976

1988



New headquarters  
in Piobesi d'Alba

1989

**ASTER**  
Swing gate system

1990

**MOVER**  
Sliding gate  
system

1995



**LEADER**  
Swing gate system

1996

**EXPORT**

1997

Proteco France  
First foreign branch

1998



**Q32**  
Pcb's range  
made in PROTECO

1999

**ADVANTAGE**  
Articulated system

2000

New plants  
in Castagnito



# TRANSFORMATION: 2001 - 2020

**WHEELER**  
Wheel-driven system



**2001**

**2004**

**ACE**  
Swing gate system

**SHARK**  
Underground system

**2009**

**2011**



DIY distribution

**MEKO**  
Sliding gate system



**2013**

**2014**

Software  
EN tested

**ISO 9001  
CERTIFIED**

**2015**

**2017**



New safety  
accessories

**Q20 - 24V**  
New pcb's range



**2018**

**2020**



**BRUSHLESS  
REVOLUTION**  
Matrix  
S-Park



# 100%

# Made in Italy

## Timeless addiction.

In times in which quick global changes have been in progress, our resilient Italian nature stood the test of time.

We firmly believe in the importance of creating excellence starting from a project and take it to the end, being part of every single step of the way through.

For us compliance, after sale assistance, flexibility and quick delivery service, means securing our customers a long-term success.

# PROTECO

Not just a company .....  
but people.

Human resources are an integral part of our company's values: passionate about **araising new ideas**, taking every challenge each market presents, **working side by side to customers**, with devotion and professionalism.





# TECHNOLOGY

## A new pcb's generation concept

Proteco brings together comprehensive expertise in automation technology with hardware and software, to offer **complete user friendly intuitive solutions**.

A target vision future oriented to grant our partners comfort and safety.

# HARDWARE

## Endless passion for excellence

Proteco strongly believes that a careful selection of raw materials is an unquestionable compromise needed to do business successfully in the long-term.

A long lasting performing system is not just a company's goal but most importantly a further improvement in terms of customer satisfaction and environmental protection.



# SWING gate automation



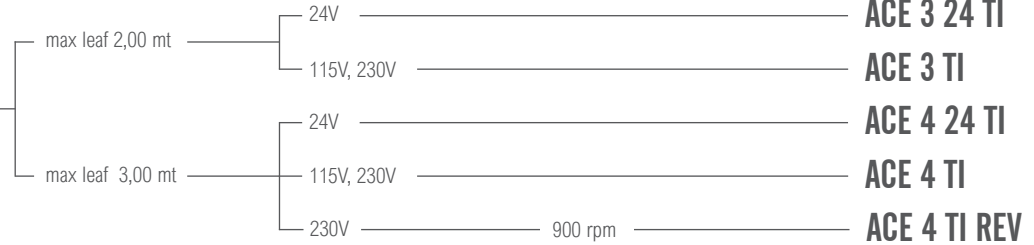


# SWING gate SELECTION GUIDE



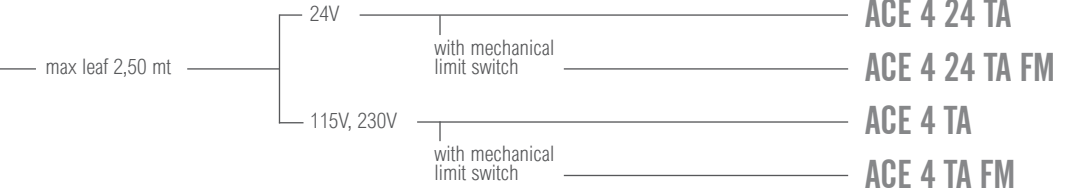
p. 13-14

**ACE TI**



p. 15-16

**ACE TA**



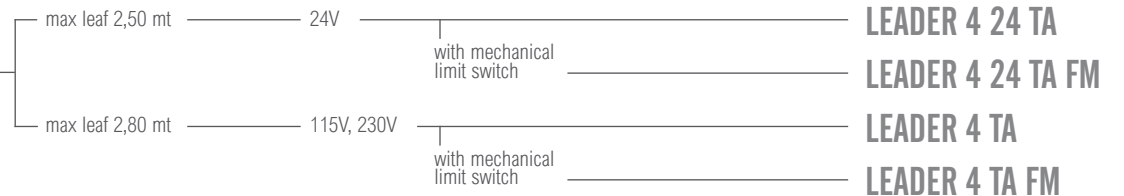
p. 17-18

**LEADER TI**



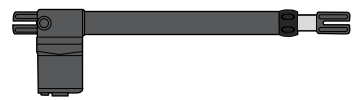
p. 19-20

**LEADER TA**





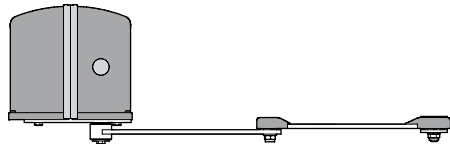
# SWING gate SELECTION GUIDE

p. 21-22

## ASTER

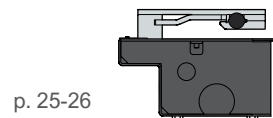
max leaf 2,00 mt	24V	ASTER 3 24
	115V, 230V	ASTER 3
	230V — 900 rpm	SLOWER 3
	24V	ASTER 4 24
	115V, 230V	ASTER 4
	230V — 900 rpm — reversible	SLOWER 4 FREEDER 4
max leaf 2,50 mt	24V	ASTER 4 24
max leaf 2,80 mt	115V, 230V	ASTER 4
	230V — 900 rpm — reversible	SLOWER 4 FREEDER 4
max leaf 3,00 mt	24V	ASTER 5 24
max leaf 3,50 mt	115V, 230V	ASTER 5
max leaf 4,00 mt	230V	ASTER 6



p. 23-24

## ADVANTAGE

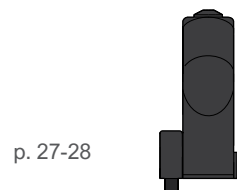
max leaf 2,00 mt	24V	ADVANTAGE 24
	230V	ADVANTAGE



p. 25-26

## SHARK

max leaf 2,50 mt	24V	SHARK 24
max leaf 3,00 mt	230V	SHARK



p. 27-28

## WHEELER

max leaf 150 Kg	24V	locked	WHEELER 24 B
max leaf 150 Kg	230V	locked	WHEELER 230 B
		reversible	WHEELER 230 R
max leaf 150 Kg	115V	locked	WHEELER 115 B

# ACE TI

Electromechanical operator for swing gate leaves up to 3 m.

230V - 115V - 24V

Slick design, silent and linear movement.  
 Die-cast aluminum supporting half-shells, bronze transmission shaft.  
 Suitable to any context, easier installation and start-up.  
 Ideal solution for residential, industrial and apartment block settings.  
 Available in reversible mode, powered at 230V.  
 Key-lock release system, protected by an encrypted key.  
 The 24V range can operate in emergency mode during power outages by back-up batteries.



## THE RANGE

	Power supply		Leaf	
<b>ACE 3 TI</b>	230V/115V	locked	2,0 m	350 Kg
<b>ACE 4 TI</b>	230V/115V	locked	3,0 m	400 Kg
<b>ACE 4 TI REV</b>	230V	reversible	3,0 m	350 Kg
<b>ACE 3 TI 24</b>	24V	locked	2,0 m	250 Kg
<b>ACE 4 TI 24</b>	24V	locked	3,0 m	300 Kg

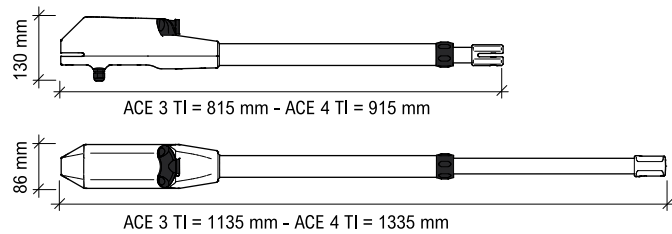
## TECHNICAL FEATURES

	ACE 3	ACE 4	ACE 4 REV	ACE 3 115	ACE 4 115	ACE 3 24	ACE 4 24
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	24V dc	24V dc
Current	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A	3.1 - 3.3 A	3.1 - 3.3A	0.5 - 0.75A	0.5 - 7.5A
Motor power	300 W	300 W	250 W	300 W	300 W	50 W	50 W
Capacitor	10 µF	10 µF	8 µF	20 µF	20 µF	--	--
Thermic protection	150°C	150°C	150°C	150°C	150°C	--	--
Max thrust	3000 N	3000 N	2500 N	3000 N	3000 N	2500 N	2500 N
IP class protection	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	900 rpm	1700 rpm	1700 rpm	1600 rpm	1600 rpm
Max opening angle	100°	100°	100°	100°	100°	100°	100°
90° opening time	17"	22"	22"	15"	18"	15"	20"
Max leaf weight	350 Kg	400 Kg	350 Kg	350 Kg	400 Kg	250 Kg	300Kg
Max leaf length	2 m	3 m	3 m	2 m	3 m	2 m	3 m
Duty cycle	40%	40%	40%	40%	40%	80%	80%

## KIT CONTENT



## DIMENSIONS



## OPTIONAL ACCESSORIES



**RS15**  
Key switch



**RT35**  
Anti-vandalism stainless  
steel wired keypad



**RT37**  
Wireless keypad



**RT17**  
Electric-lock 12V 15VA,  
ground installation



**MEL04**  
Optional card module  
interface for electric-lock

## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Control board 4\_Key switch  
5\_Outer photocell 6\_Inner photocell 7\_Swing operators 8\_Photocell posts



# ACE TA

Electromechanical operator for swing gate leaves up to 2,5 m.

230V - 115V - 24V

Slick design, silent and linear movement.

Die-cast aluminum supporting half-shells, bronze transmission shaft.

Suitable to any context, easier installation and start-up.

Ideal solution for residential, industrial and apartment block settings.

FM version, integrated with on-board mechanical stops, for controlling gate travel.

Key-lock release system, protected by encrypted key.

The 24V range can operate in emergency mode during power outages by back-up batteries.

## THE RANGE

	Power supply		Leaf	
ACE 4 TA	230V-115V	locked	2,5 m	350 Kg
ACE 4 TA FM	230V-115V	locked	2,5 m	350 Kg
ACE 4 TA 24	24V	locked	2,5 m	200 Kg
ACE 4 TA 24 FM	24V	locked	2,5 m	200 Kg



## TECHNICAL FEATURES

	ACE 4 TA	ACE4 TA 115V	ACE4 TA 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	3.1 - 3.3A	0.5 - 0.75A
Motor power	300 W	300 W	50 W
Capacitor	10 µF	20 µF	--
Thermic protection	150°C	150°C	--
Max thrust	3000 N	3000 N	2500 N
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Max opening angle	100°	100°	100°
90° opening time	22"	18"	20"
Max leaf weight	350 Kg	350 Kg	200 Kg
Max leaf length	2,5 m	2,5 m	2,5 m
Duty cycle	40%	40%	80%

## KIT CONTENT

**ACE TA**  
Pair of swing motors  
and fittings



**LUCE**  
LED 24V  
flashing light



**RF40**  
Photocell set



**ANGIE**  
Pair of 4-ch  
remote controls



**PANT01**  
Outstanding  
antenna



**Q80A/Q20A**  
Control board integrated  
with plug-in radio receiver  
433.92 MHz

## OPTIONAL ACCESSORIES



**RS15**  
Key switch



**RT35**  
Anti-vandalism stainless  
steel wired keypad



**RT37**  
Wireless keypad

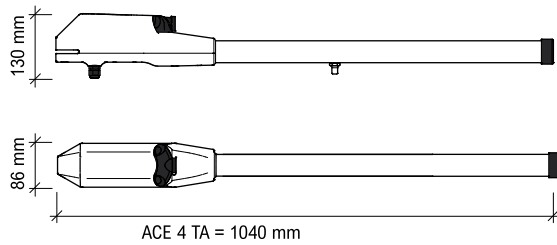


**RT17**  
Electric-lock 12V 15VA,  
ground installation



**MEL04**  
Optional card module  
interface for electric-lock

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Control board 4\_Key switch  
5\_Outer photocell 6\_Inner photocell 7\_Swing operators 8\_Photocell posts



# LEADER TI

Electromechanical operator for swing gate leaves up to 3,5 m.

230V - 115V - 24V

Slick design, silent and powerful performance.  
Fully covered and protected endless screw, bronze transmission shaft.  
Suitable to any context, easier installation and start-up.  
Particularly suitable for reduced space installations.  
Ideal solution for residential, industrial and apartment block settings.  
Key-lock release system, protected by encrypted key.  
The 24V range can operate in emergency mode during power outages by back-up batteries.



## THE RANGE

	Power supply		Leaf	
<b>LEADER 3 TI</b>	230V-115V	locked	2,0 m	350 Kg
<b>LEADER 4 TI</b>	230V-115V	locked	2,8 m	350 Kg
<b>LEADER 5 TI</b>	230V-115V	locked	3,5 m	250 Kg
<b>LEADER 3 TI 24</b>	24V	locked	2,0 m	275 Kg
<b>LEADER 4 TI 24</b>	24V	locked	2,5 m	250 Kg
<b>LEADER 5 TI 24</b>	24V	locked	3,0 m	150 Kg

## TECHNICAL FEATURES

	LEADER 3	LEADER 4	LEADER 5	LEADER 3 115	LEADER 4 115	LEADER 5 115	LEADER 3 24	LEADER 4 24	LEADER 5 24
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	110V ~ 60Hz	110V ~ 60Hz	110V ~ 60Hz	24V dc	24V dc	24V dc
Current	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A	2.0 - 2.3A	2.0 - 2.3A	2.0 - 2.3A	0.5 - 0.75A	0.5 - 0.75A	0.5 - 0.75A
Motor power	280 W	280 W	280 W	300 W	300 W	300 W	50 W	50 W	50 W
Capacitor	8 µF	8 µF	8 µF	30 µF	30 µF	30 µF	--	--	--
Thermic protection	150°C	150°C	150°C	150°C	150°C	150°C	--	--	--
Max thrust	2800 N	2800 N	2800 N	3000 N	3000 N	3000 N	2500 N	2500	2500 N
IP class protection	44	44	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm	1700 rpm	1600 rpm	1600 rpm	1600 rpm
Max opening angle	110°	110°	110°	110°	110°	110°	110°	110°	110°
90° opening time	17"	22"	27"	14"	18"	22"	15"	20"	25"
Max leaf weight	350 Kg	350 Kg	250 Kg	300 Kg	250 Kg	200 Kg	275 Kg	250 Kg	150 Kg
Max leaf length	2 m	2.8 m	3.5 m	2 m	2.80 m	3.5 m	2 m	2.5 m	3 m
Duty cycle	40%	40%	40%	40%	40%	40%	80%	80%	80%

## KIT CONTENT



## OPTIONAL ACCESSORIES



**RS15**  
Key switch



**RT35**  
Anti-vandalism stainless steel wired keypad



**RT37**  
Wireless keypad

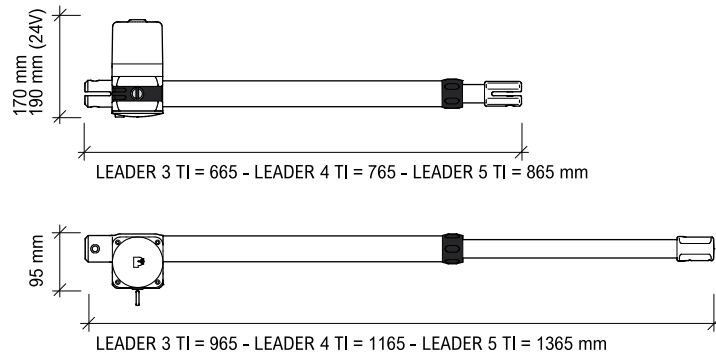


**RT17**  
Electric-lock 12V 15VA, ground installation



**MEL04**  
Optional card module interface for electric-lock

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Control board 4\_Key switch  
5\_Outer photocell 6\_Inner photocell 7\_Swing operators 8\_Photocell posts



# LEADER TA

Electromechanical operator for swing gate leaves up to 2,8 m.

230V - 115V - 24V

Slick design, silent and powerful performance.  
Fully covered and protected endless screw, bronze transmission shaft.  
Suitable to any context, easier installation and start-up.  
FM version, integrated with on-board mechanical stops, for controlling gate travel.  
Ideal solution for residential, industrial and apartment block settings.  
Key-lock release system, protected by encrypted key.  
The 24V range can operate in emergency mode during power outages by back-up batteries.



## THE RANGE

	Power supply		Leaf	
Leader 4 TA	230V/115V	locked	2,8 m	300 Kg
Leader 4 TA FM	230V/115V	locked	2,8 m	300 Kg
Leader 4 TA 24	24V	locked	2,5 m	200 Kg
Leader 4 TA 24 FM	24V	locked	2,5 m	200 Kg

## TECHNICAL FEATURES

	LEADER 4 TA	LEADER 4 TA 115V	LEADER 4 TA 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	2.0 - 2.3A	0.5 - 0.75A
Motor power	280 W	300 W	50 W
Capacitor	8 µF	30 µF	--
Thermic protection	150°C	150°C	--
Max thrust	2800 N	3000 N	2500 N
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Max opening angle	110°	110°	110°
90° opening time	22"	18"	20"
Max leaf weight	300 Kg	200 Kg	200 Kg
Max leaf length	2.8 m	2.8 m	2.5 m
Duty cycle	40%	40%	80%



## KIT CONTENT

**LEADER TA**  
Pair of swing motors and fittings



**LUCE**  
LED 24V  
flashing light



**RF40**  
Photocell set



**ANGIE**  
Pair of 4-ch  
remote controls



**PANT01**  
Outstanding  
antenna



**Q80A/Q20A**  
Control board integrated  
with plug-in radio receiver  
433.92 MHz

## OPTIONAL ACCESSORIES



**RS15**  
Key switch



**RT35**  
Anti-vandalism stainless  
steel wired keypad



**RT37**  
Wireless keypad

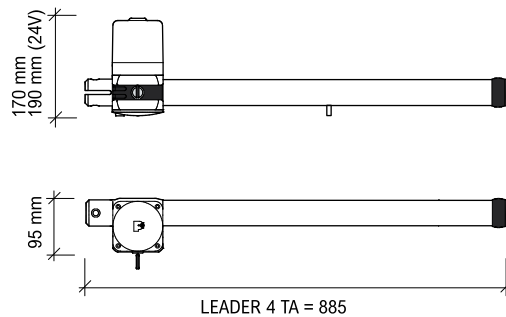


**RT17**  
Electric-lock 12V 15VA,  
ground installation



**MEL04**  
Optional card module  
interface for electric-lock

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Control board 4\_Key switch  
5\_Outer photocell 6\_Inner photocell 7\_Swing operators 8\_Photocell posts



# ASTER

Electromechanical operator for swing gate leaves up to 4 m.

**230V - 115V - 24V**

Compact design, silent and powerful performance.  
Fully covered and protected endless screw, bronze transmission shaft.  
Suitable to any context and weather conditions, easier installation thanks to multi-position brackets and wide choice of systems.  
Particularly suitable for reduced space installations.  
Ideal solution for residential, industrial and apartment block settings.  
User-friendly release system.  
The 24V range can operate in emergency mode during power outages by back-up batteries.



## THE RANGE

	Power supply		Leaf	
<b>ASTER 3</b>	230V/115V	locked	2 m	350 Kg
<b>ASTER 4</b>	230V/115V	locked	2.8 m	350 Kg
<b>ASTER 5</b>	230V/115V	locked	3.5 m	250 Kg
<b>ASTER 6</b>	230V/115V	locked	4 m	200 Kg
<b>ASTER 3 24</b>	24V	locked	2 m	275 Kg
<b>ASTER 4 24</b>	24V	locked	2.5 m	250 Kg
<b>ASTER 5 24</b>	24V	locked	3 m	150 Kg
<b>SLOWER 3</b>	230V	locked	2 m	300 Kg
<b>SLOWER 4</b>	230V	locked	2.8 m	300 Kg
<b>FREEDER 4</b>	230V	reversible	2.8 m	300 Kg

## TECHNICAL FEATURES

	ASTER 3	ASTER 4	ASTER 5	ASTER 6	ASTER 3 115	ASTER 4 115	ASTER 5 115	ASTER 3 24	ASTER 4 24	ASTER 5 24	SLOWER 3	SLOWER 4	FREEDER 4
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	115V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	24V dc	24V dc	24V dc	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz
Current	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A	2.0 - 2.3A	2.0 - 2.3A	2.0 - 2.3A	0.5 - 0.75A	0.5 - 0.75A	0.5 - 0.75A	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A
Motor power	280 W	280 W	280 W	280 W	300 W	300 W	300 W	50 W	50 W	50 W	250 W	250 W	250 W
Capacitor	8 µF	8 µF	8 µF	8 µF	30 µF	30 µF	30 µF	-	-	-	8 µF	8 µF	8 µF
Thermic protection	150°C	150°C	150°C	150°C	150°C	150°C	150°C	-	-	-	135°C	135°C	135°C
Max thrust	2800 N	2800 N	2800 N	2800 N	3000 N	3000 N	3000 N	2500 N	2500 N	2500 N	2500 N	2500 N	2500 N
IP class protection	44	44	44	44	44	44	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm	1700 rpm	1600 rpm	1600 rpm	1600 rpm	900 rpm	900 rpm	900 rpm
Max opening angle	110°	110°	110°	110°	110°	110°	110°	110°	110°	110°	110°	110°	110°
90° opening time	17"	22"	27"	32"	14"	18"	22"	15"	20"	25"	25"	34"	34"
Max leaf weight	350 Kg	350 Kg	250 Kg	250 Kg	300 Kg	250 Kg	200 Kg	275 Kg	250 Kg	150 Kg	300 Kg	300 Kg	300 Kg
Max leaf length	2 m	2.8 m	3.5 m	4 m	2 m	2.8 m	3.5 m	2 m	2.5 m	3 m	2 m	2.8 m	2.8 m
Duty cycle	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%

## KIT CONTENT



**ASTER**  
Pair of swing motors and fittings



**LUCE**  
LED 24V flashing light



**RF40**  
Photocell set



**ANGIE**  
Pair of 4-ch remote controls



**PANT01**  
Outstanding antenna



**Q80A/Q20A**  
Control board integrated with plug-in radio receiver 433.92 MHz

## OPTIONAL ACCESSORIES



**RS15**  
Key switch



**RT35**  
Anti-vandalism stainless steel wired keypad



**RT37**  
Wireless keypad

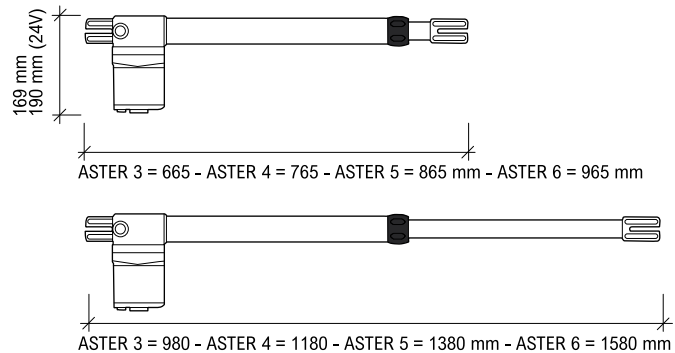


**RT17**  
Electric-lock 12V 15VA, ground installation

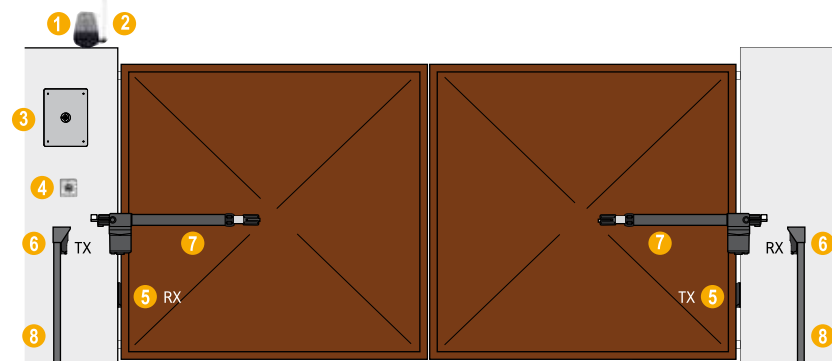


**MEL04**  
Optional card module interface for electric-lock

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Control board 4\_Key switch  
5\_Outer photocell 6\_Inner photocell 7\_Swing operators 8\_Photocell posts



# ADVANTAGE

Electromechanical articulated operator for swing gate leaves up to 2 m.

230V - 115V - 24V

Ideal for gates mounted on over-sized pillars.  
 Electric built-in limit switches grant smooth and silent movement, even on light-weight gates.  
 Robust articulated anti-shearing arm, available in two versions: short or long arm.  
 Embedded control board featuring obstacle detection.  
 Ideal solution for residential, industrial and apartment block settings.  
 User-friendly front release system.  
 The 24V range can operate in emergency mode during power outages by back-up batteries.

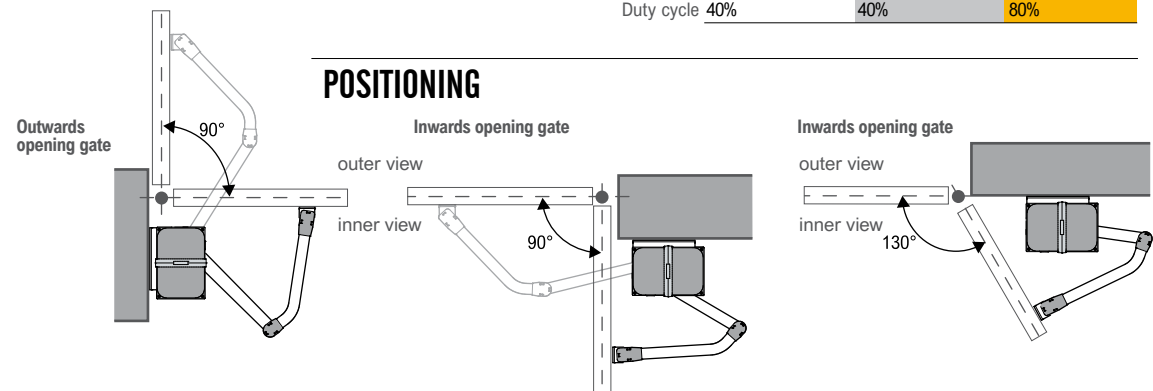


## THE RANGE

	Power supply		Leaf	
<b>ADVANTAGE</b>	230V/115	locked	2,0 m	250 Kg
<b>ADVANTAGE 24</b>	24V	locked	2,0 m	200 Kg

## TECHNICAL FEATURES

	ADVANTAGE	ADVANTAGE 115	ADVANTAGE 24
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	2.0 - 2.3A	0.5 - 0.75A
Motor power	300 W	300 W	50 W
Capacitor	10 µF	30 µF	--
Thermic protection	150°C	150°C	--
Max thrust	280 Nm	280 Nm	200 Nm
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Max opening angle	130°	130°	130°
90° opening time	18"	14"	14"
Max leaf maximum weight	250 Kg	250 Kg	200 Kg
Max leaf maximum length	2 m	2 m	2 m
Duty cycle	40%	40%	80%



## POSITIONING

## KIT CONTENT

### ADVANTAGE

Pair of swing motors, embedded control board, integrated radio receiver 433.92 MHz and fittings



**LUCE**  
LED 24V  
flashing light



**RF40**  
Photocell set



**ANGIE**  
Pair of 4-ch  
remote controls



**PANT01**  
Outstanding  
antenna

## OPTIONAL ACCESSORIES



**RS15**  
Key switch



**RT35**  
Anti-vandalism stainless  
steel wired keypad



**RT37**  
Wireless keypad

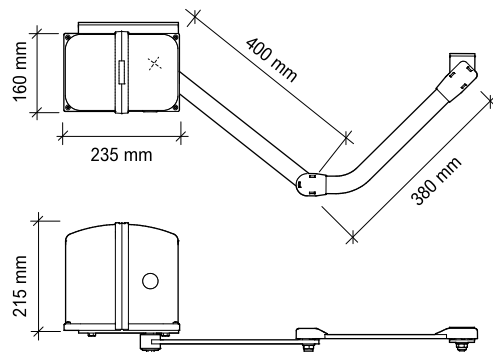


**RT17**  
Electric-lock 12V 15VA,  
ground installation



**MEL04**  
Optional card module  
interface for electric-lock

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_LH operator featuring control board and radio receiver  
4\_RH operator Motoriduttore destro 5\_Outer photocell 6\_Inner photocell 7\_Key switch 8\_Photocell posts



# SHARK

Electromechanical underground operator for swing gate leaves up to 3 m.

230V - 24V

The invisible solution for swing-gate operators.

High degree of protection against weathering, watertight motor completely in aluminum  
Built-in opening and closing leaf stops for quick-and-easy adjusting of the leaf-stopping point.  
A smooth, safe movement guaranteed in all working conditions. Gate leaf standard opening angle up to 100 degrees and up to 180° with adaptor (optional accessory).

Foundation box cataphoresis treated or inox.

Ideal solution for residential, industrial and apartment block settings.

Key-lock release system, protected by key.

The 24V range can operate in emergency mode during power outages by back-up batteries.



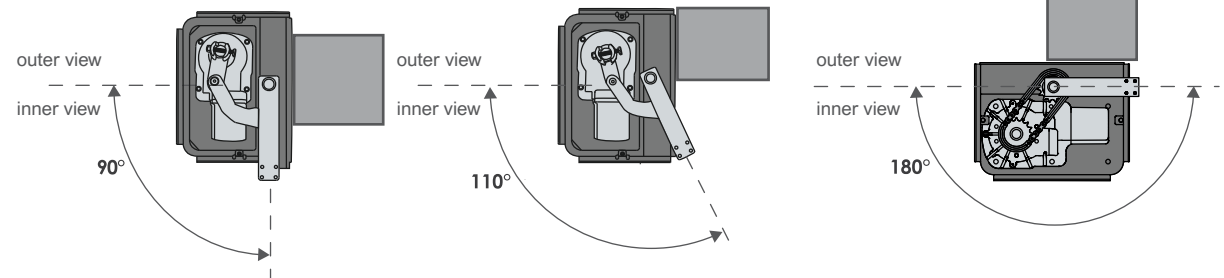
## THE RANGE

	Power supply		Leaf	
<b>SHARK</b>	230V	locked	3,0 m	350 Kg
<b>SHARK 24</b>	24V	locked	2,5 m	200 Kg

## TECHNICAL FEATURES

	SHARK	SHARK 24
Power supply	230V ~ 50Hz	24V dc
Current	1.2 - 2A	0.5 - 0.75A
Motor power	300 W	50 W
Capacitor	10 µF	--
Thermic protection	150°C	--
Max thrust	350 Nm	230 Nm
IP protection class	66	66
Revolution speed	1400 rpm	1600 rpm
Max opening angle	110°	110°
90° angle opening time	17"	16"
Max leaf weight	350Kg	200 Kg
Max leaf length	3 m	2,5 m
Duty cycle	50%	90%

## POSITIONING



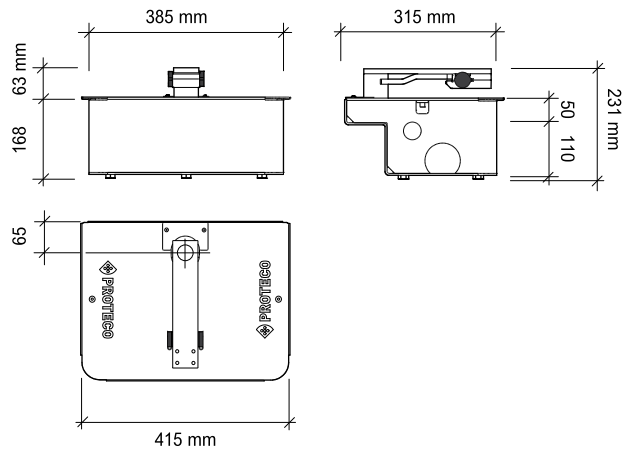
## KIT CONTENT



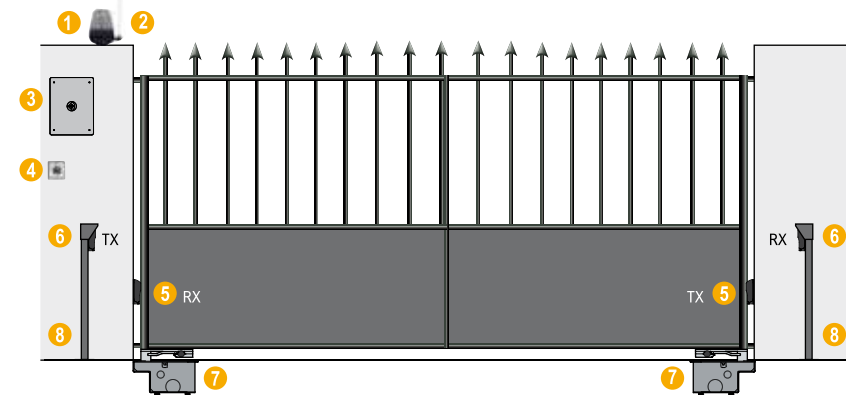
## OPTIONAL ACCESSORIES



## DIMENSIONS



## INSTALLATION MAP



- 1\_Flashing light 2\_Outstanding antenna 3\_Control board 4\_Key switch  
5\_Outer photocell 6\_Inner photocell 7\_Gear motors complete with foundation box 8\_Photocell posts



# WHEELER

Wheel-driven electromechanical opener for swing gates.

230V - 115V - 24V

Unlimited opening angles.  
 Ideal where traditional ram motors cannot be installed due to gates being fitted against a wall or other obstructions.  
 Suitable for long leaf and light gates, inward or outward opening.  
 Opens onto a sloping driveway up to 20cm in height difference.  
 Embedded key-lock release system.  
 The 24V range can operate in emergency mode during power outages by back-up batteries.



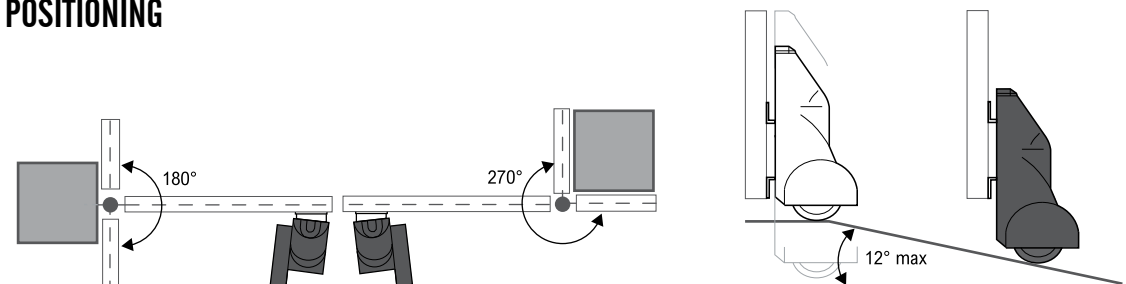
## THE RANGE

	Power supply		Leaf
<b>WHEELER R</b>	230V	reversible	150 Kg
<b>WHEELER B</b>	230V-115V	locked	150 Kg
<b>WHEELER 24</b>	24V	locked	150 Kg

## TECHNICAL FEATURES

	WHEELER B	WHEELER R	WHEELER B 115	WHEELER 24
Power supply	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	1.2 - 1.7A	2.0 - 2.3A	0.5 - 0.75A
Motor power	280 W	250 W	300 W	50 W
Capacitor	8 µF	8 µF	30 µF	--
Thermic protection	150°C	150°C	150°C	--
Max thrust	11 Nm	10 Nm	11 Nm	8 Nm
IP class protection	44	44	44	44
Revolution speed	1400 rpm	900 rpm	1700 rpm	1600 rpm
Max opening angle	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
Opening speed	20 m/min	20 m/min	20 m/min	24 m/min
Max leaf weight	150 Kg	150 Kg	150 Kg	150 Kg
Duty cycle	30%	30%	30%	80%
Max rise/fall	200 mm	200 mm	200 mm	200 mm
Max inclination	12°	12°	12°	12°

## POSITIONING





## KIT CONTENT



## OPTIONAL ACCESSORIES



**RS15**  
Key switch

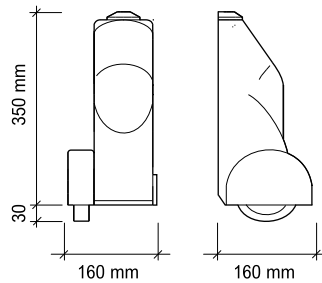


**RT35**  
Anti-vandalism stainless steel wired keypad



**RT37**  
Wireless keypad

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Control board 4\_Key switch 5\_Outer photocell  
6\_Inner photocell 7\_Wheel motors 8\_Photocell posts 9\_Electric lock



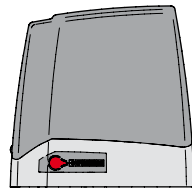
# Sliding Gate Automation





# SLIDING gates SELECTION GUIDE

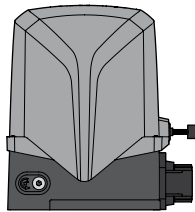
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## MEKO

500 Kg	230V, 115V	mechanical limit switch	MEKO 5
600 Kg	24V	mechanical limit switch	MEKO 6
800 Kg	230V, 115V	mechanical limit switch	MEKO 8

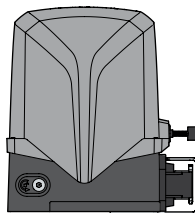
p.35 - 36



## MOVER

500 Kg	230V, 115V	mechanical limit switch	MOVER 5
		magnetic limit-switch	MOVER MAG 5
650 Kg	24V	mechanical limit switch	MOVER 6
800 Kg	230V, 115V	mechanical limit switch	MOVER 8
		magnetic limit-switch	MOVER MAG 8
1500 Kg	230V, 115V	mechanical limit switch	MOVER 15
		magnetic limit-switch	MOVER MAG 15

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## CAT

500 Kg	230V, 115V	mechanical limit switch	CAT 5
800 Kg	230V, 115V	mechanical limit switch	CAT 8

# SLIDING gates SELECTION GUIDE



## BRUSHLESS (R)EVOLUTION

p. 39 - 40



**MATRIX**

2500 Kg	— 230V	— semi-intensive	—	<b>MATRIX 25</b>
1800 Kg	— 230V	— semi-intensive	—	<b>MATRIX 18</b>
2500 Kg	— 48V	— intensive	— Brushless	<b>MATRIX BLDC</b>
1800 Kg	— 48V	— hi-speed	— Brushless	<b>MATRIX HS</b>

## RACK



**B102**  
Galvanised toothed rack  
M4 12x30x1000 mm



**B114**  
Nylon coated rack  
inner metal core - M4  
20X26 mm - 1x1m bars



**B117**  
Nylon coated rack  
inner metal core - M4  
20X26 mm - 2x0,5 m bars

## CHAIN



**C102**  
3/8 inches chain for CAT - min 5m  
and multiples

# MEKO



Rack-driven motor for sliding gates up to 800 kg, residential settings.

## 230V - 115V - 24V

Slim elegant design, silent movement.  
 Noble metal gears, bronze transmission shaft.  
 Adjustable ground plate (horizontally and vertically).  
 Key-lock release system, protected by an encrypted key.  
 Embedded control board featuring obstacle detection and plug-in radio receiver.  
 Ideal solution for residential, industrial and apartment block settings.  
 The 24V range can operate in emergency mode during power outages by back-up batteries.

### THE RANGE

	Power supply		Limit switch	Leaf
<b>MEKO 5</b>	230V-115V	rack	mechanical	500 Kg
<b>MEKO 6</b>	24V	rack	mechanical	600 Kg
<b>MEKO 8</b>	230V-115V	rack	mechanical	800 Kg

### TECHNICAL FEATURES

	MEKO 5	MEKO 6	MEKO 8	MEKO 5 115	MEKO 8 115
Power supply	230V ~ 50Hz	24V dc	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz
Current	1.2 - 1.7A	0.7 - 10A	1.2 - 2A	2.0 - 2.3A	2.8 - 3.2A
Motor power	250 W	80 W	300 W	280 W	330 W
Capacitor	8 µF	-	10 µF	30 µF	30 µF
Thermic protection	150°C	-	150°C	150°C	150°C
Max thrust	350 N	400 N	440 N	380N	460 N
IP class protection	44	44	44	44	44
Revolution speed	1400 rpm	1600 rpm	1400 rpm	1700 rpm	1700 rpm
Opening speed	10,5 m/min	6 - 11 m/min	10,5 m/min	12 m/min	12 m/min
Max gate weight	500 Kg	600 Kg	800 Kg	500 Kg	800 Kg
Duty cycle	40%	80%	40%	40%	40%

## KIT CONTENT

### MEKO

Gear motor embedded control board, integrated radio receiver 433.92 MHz and fittings



**B117**  
4 m PVC rack



**LUCE**  
LED 24V  
flashing light



**PANT01**  
Outstanding  
antenna



**ANGIE**  
Pair of 4-ch  
remote controls



**RF40**  
Photocell set

## OPTIONAL ACCESSORIES



**B102**  
Inox rack  
12x30x1000 mm



**RS15**  
Key switch



**RT35**  
Anti-vandalism  
stainless steel  
wired keypad



**RT37**  
Wireless keypad



**RC23**  
Resistive safety strip  
8K2Ω, 60 mm x 2 m



**Q BAT 1.2**  
Battery  
12V 1.2Ah

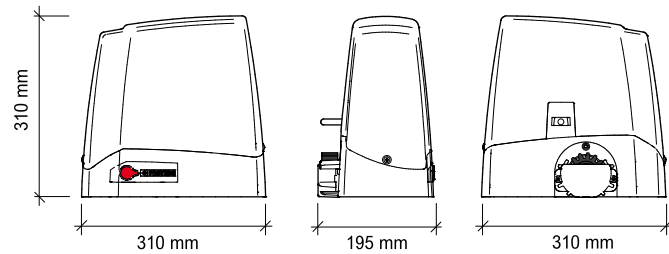


**KBT001**  
Battery wiring  
set for 24V system

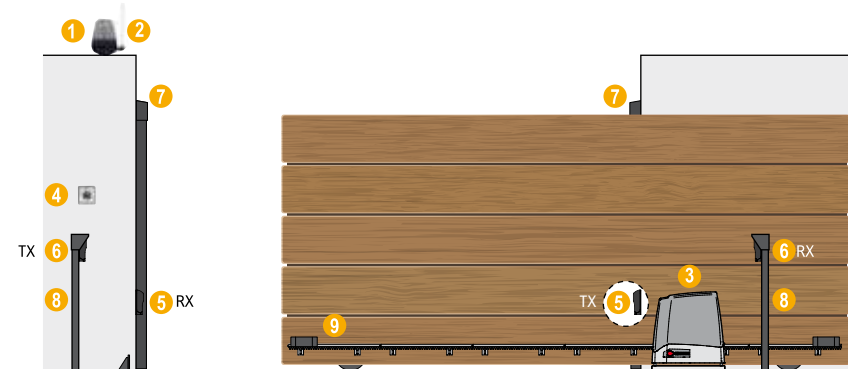


**MSU14**  
Battery fixing plate

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Gear motor complete with control board and radio receiver  
4\_Key switch 5\_Outer photocell 6\_Inner photocell 7\_Safety strip 8\_Photocell posts 9\_Rack



# MOVER



Rack-driven motor for sliding gates up to 1500 kg, residential settings.

**230V - 115V - 24V**

Slick design, silent and powerful performance.  
 Particularly suitable for reduced space installations.  
 Noble metal gears, bronze transmission shaft.  
 Adjustable ground plate (horizontally and vertically).  
 User-friendly release system.  
 Designed to fit both mechanical and magnetic limit switches.  
 Embedded control board featuring obstacle detection and plug-in radio receiver.  
 Ideal solution for residential, industrial and apartment block settings.  
 The 24V range can operate in emergency mode during power outages by back-up batteries.

## THE RANGE

	Power supply		Limit switch	Leaf
<b>MOVER 5</b>	230V-115V	rack	mechanical	500 Kg
<b>MOVER 6</b>	24V	rack	mechanical	650 Kg
<b>MOVER 8</b>	230V-115V	rack	mechanical	800 Kg
<b>MOVER 15</b>	230V-115V	rack	mechanical	1500 Kg
<b>MOVER MAG 5</b>	230V-115V	rack	magnetic	500 Kg
<b>MOVER MAG 8</b>	230V-115V	rack	magnetic	800 Kg
<b>MOVER MAG 15</b>	230V-115V	rack	magnetic	1500 Kg

## TECHNICAL FEATURES

	MOVER 5	MOVER 6	MOVER 8	MOVER 15	MOVER 5 115	MOVER 8 115	MOVER 15 115
Power supply	230V ~ 50Hz	24V dc	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	115V ~ 60Hz
Current	1.2 - 1.7A	0.7 - 10A	1.2 - 2A	3A	2.0 - 2.3A	2.8 - 3.2A	6.4 - 6.6A
Motor power	250 W	80 W	300 W	600 W	280 W	330 W	600 W
Capacitor	8 µF	-	10 µF	20 µF	30 µF	30 µF	60 µF
Thermic protection	150°C	-	150°C	150°C	150°C	150°C	150°C
Max thrust	350 N	500 N	440 N	1000 N	380 N	460 N	1000 N
IP class protection	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1600 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm	1700 rpm
Opening speed	8.5 m/min	5 - 9 m/min	8.5 m/min	8.5 m/min	10 m/min	10 m/min	10 m/min
Max gate weight	500 Kg	650 Kg	800 Kg	1500 Kg	500 Kg	800 Kg	1500 Kg
Duty cycle	40%	80%	40%	40%	40%	40%	40%



## KIT CONTENT

### MOVER

Gear motor embedded control board, integrated radio receiver 433.92 MHz and fittings



**B117**  
4 m PVC rack



**LUCE**  
LED 24V  
flashing light



**PANT01**  
Outstanding  
antenna



**ANGIE**  
Pair of 4-ch  
remote controls



**RF40**  
Photocell set

## OPTIONAL ACCESSORIES



**B102**  
Inox rack  
12x30x1000 mm



**RS15**  
Key switch



**RT35**  
Anti-vandalism  
stainless steel  
wired keypad



**RT37**  
Wireless keypad



**RC23**  
Resistive safety strip  
8K2Q, 60 mm x 2 m



**Q BAT 1.2**  
Battery  
12V 1.2Ah



**KBT001**  
Battery wiring  
set for 24V system

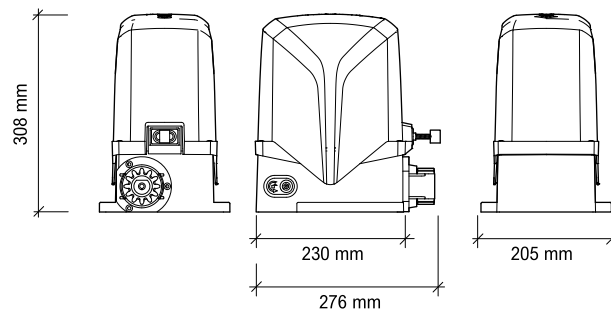


**MSU14**  
Battery fixing plate  
for MEKO sliding  
motors range

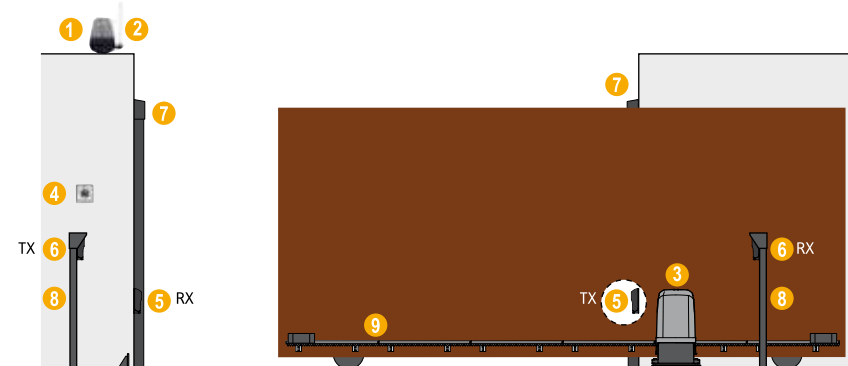


**PAR04**  
Housing for  
back-up batteries

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Gear motor complete with control board and radio receiver  
4\_Key switch 5\_Outer photocell 6\_Inner photocell 7\_Safety strip 8\_Photocell posts 9\_Rack



# CAT

Chain-driven motor for sliding gates up to 800 kg, residential settings.

## 230V - 115V

A good solution for existing gates where mechanical conditions restrict the use of traditional rack-driven gear motors.

Particularly suitable for reduced space installations.

Noble metal gears, bronze transmission shaft.

Adjustable ground plate (horizontally and vertically).

User-friendly release system.

Embedded control board featuring obstacle detection and plug-in radio receiver.



## THE RANGE

	Power supply		Limit switch	Leaf
<b>CAT 5</b>	230V-115V	chain	mechanical	500 Kg
<b>CAT 8</b>	230V-115V	chain	mechanical	800 Kg

## TECHNICAL FEATURES

	CAT 5	CAT 8	CAT 5 115	CAT 8 115
Power supply	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz
Current	1.2 - 1.7A	1.2 - 2A	2.0 - 2.3A	2.8 - 3.2A
Motor power	250 W	300 W	280 W	330 W
Capacitor	8 µF	10 µF	30 µF	30 µF
Thermic protection	150°C	150°C	150°C	150°C
Max thrust	350 N	440 N	380 N	460 N
IP class protection	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	1700 rpm	1700 rpm
Opening speed	8.5 m/min	8.5 m/min	10 m/min	10 m/min
Max gate weight	500 Kg	800 Kg	500 Kg	800 Kg
Duty cycle	40%	40%	40%	40%

## KIT CONTENT



**LUCE**  
LED 24V  
flashing light



**RF40**  
Photocell set



**ANGIE**  
Pair of 4-ch  
remote controls



**PANT01**  
Outstanding  
antenna

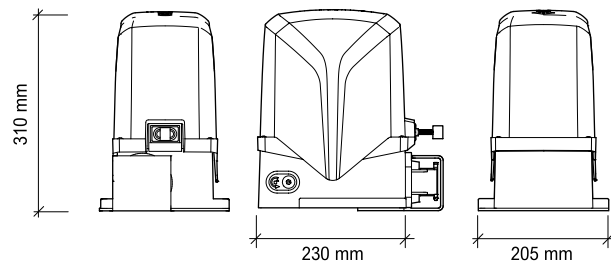


**CAT**  
Gear motor embedded  
control board, integrated  
radio receiver 433.92 MHz  
and fittings



**C102**  
3/8" chain - 5 m

## DIMENSIONS



## OPTIONAL ACCESSORIES



**RS15**  
Key switch



**RT35**  
Anti-vandalism  
stainless steel  
wired keypad

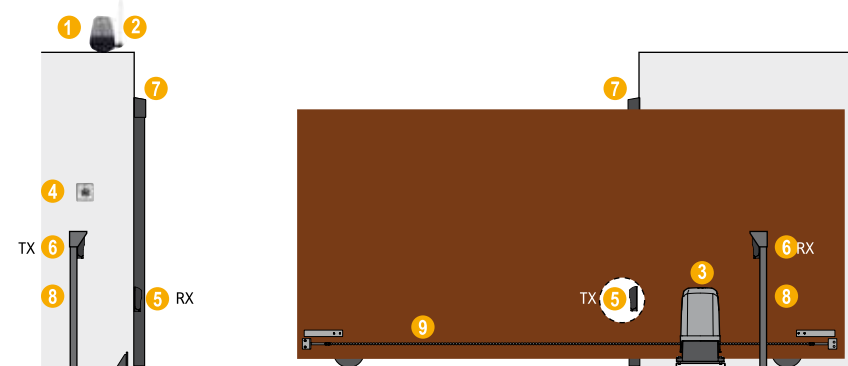


**RT37**  
Wireless keypad



**RC23**  
Resistive safety strip  
8K2Ω, 60 mm x 2 m

## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Gear motor complete with control board and radio receiver  
4\_Key switch 5\_Outer photocell 6\_Inner photocell 7\_Safety strip 8\_Photocell posts 9\_Chain



# MATRIX



Rack-driven motor for large sliding industrial gates in continuous duty conditions up to 2500 kg.

## 230V - 48V

Ideal solution for industrial and heavy duty applications.  
 M4 inox cogwheel fitted on all systems, M6 inox cogwheel available as optional.  
 Double start capacitor for extra-power during slowdown.  
 Designed to fit both mechanical and magnetic limit switches.  
 Embedded control board fitted on the upper side of the motor.  
 Screen and programming keys protected to prevent accidental contacts.  
 Smart adaptive torque technology, obstacle detection managed by "Hall effect" encoder system.  
 Electronic inertia control.  
 MEMO ADAPTIVE technology to fit in different weather conditions and to overcome friction changes, avoiding false-stop faults.  
 TWINNING function to synchronize two mirror sliding gates

## BRUSHLESS (R)EVOLUTION

6-STEPS digital motor for very heavy duty settings .  
 HI-SPEED version with adjustable opening speed up to 20 m/minute for gates up to 1800 kg.  
 A back-up battery kit can be integrated on board.

### THE RANGE

	Motor	Limit switch	Use	Leaf
<b>MATRIX 25</b>	230V	mechanical/magnetic	semi-intensive	2500 Kg
<b>MATRIX 18</b>	230V	mechanical/magnetic	semi-intensive	1800 Kg
<b>MATRIX BLDC</b>	48V Brushless	mechanical/magnetic	intensive	2500 Kg
<b>MATRIX HS</b>	48V Brushless	mechanical/magnetic	hi-speed	1800 Kg

### TECHNICAL FEATURES

	Matrix 25	Matrix 18	Matrix BLDC Intensive use	Matrix HS Hi-speed
Power supply	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz
Motor voltage	6 A	4,5 A	4,5 A	4,8 A
Start-up current	2,5 A	2 A	1,4 A	1,8 A
Rated current	230V 50/60 Hz	230V 50/60 Hz	48V dc	48V dc
Rated power	550 W	500 W	350 W	400 W
Start-up capacitor	25 µF	20 µF	—	—
Standard capacitor	25 µF	20 µF	—	—
Start-up thrust	2000 N	1400 N	1600 N	1500 N
Rated thrust	1100 N	900 N	1000 N	700 N
Thermal cut-off	150° C	150° C	—	—
Max. opening speed	11 m/min	11 m/min	11 m/min	20 m/min
Max. leaf weight	2500 kg	1800 kg	2500 kg	1800 kg
Duty cycle	50%	50%	80%	80%
Operating temperature	-25° C + + 55° C	-25° C + + 55° C	-25° C + + 55° C	-25° C + + 55° C
IP rating	44	44	44	44

## CONTENT

**MATRIX**  
Gear motor



**Q90SA/Q90SH**  
Control board integrated  
with plug-in radio receiver  
433.92 MHz



Screws and fittings

## OPTIONAL ACCESSORIES



M6 inox  
cogwheel



**B102**  
Inox rack  
12x30x1000 mm



**LUCE**  
LED 24V  
flashing light



**RF40**  
Photocell set



**ANGIE**  
4-ch remote  
control



**PANT01**  
Outstanding  
antenna



**RC23**  
Resistive safety strip  
8K2Ω, 60 mm x 2 m



Back-up battery set  
complete with charger  
and cable



**RS15**  
Key switch

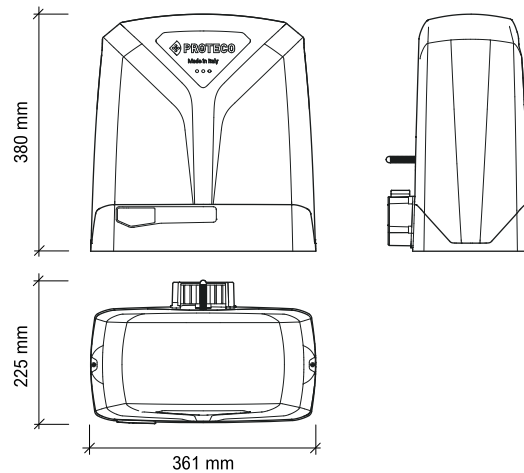


**RT35**  
Anti-vandalism  
stainless steel  
wired keypad

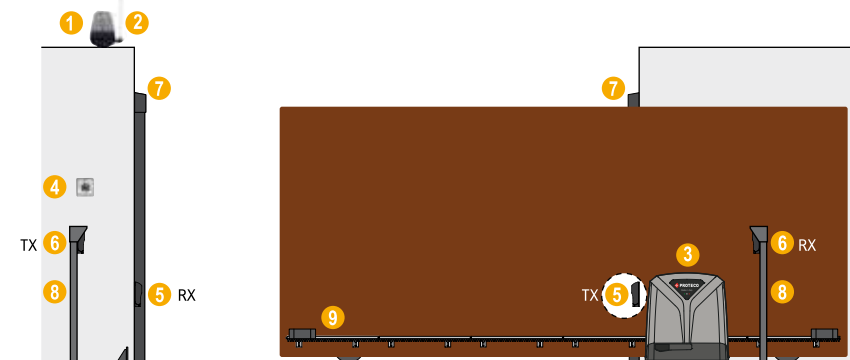


**RT37**  
Wireless keypad

## DIMENSIONS



## INSTALLATION MAP



1\_Flashing light 2\_Outstanding antenna 3\_Gear motor complete with control board and radio receiver  
4\_Key switch 5\_Outer photocell 6\_Inner photocell 7\_Safety strip 8\_Photocell posts 9\_Rack


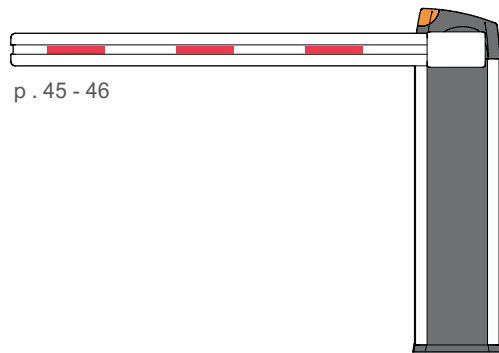
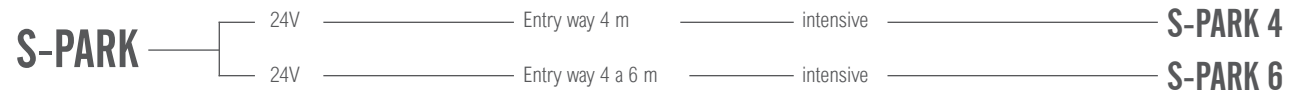
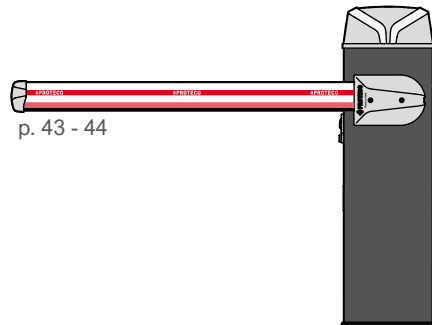


# ROAD BARRIERS



# ROAD BARRIERS

## SELECTION GUIDE

# S-PARK



Road barrier for drive ways with heavy transit flows, clearance width of up to 6m. Ideal for residential, industrial facilities and apartment blocks.

## 24V

Powder coated inox cabinet, fitted with pre-drilled housings for sensors. Adjustable mechanical limit switches. Fixing ground plate and fittings included. LED luminous signaling on the barrier cabinet. Shock-proof rubber boom, can be integrated with red/green LED strips (optional). Right and left hand application. Release system for easy manual operation secured by key and safety microswitch. Quick opening in 2.5" for drive ways up to 3 m.

### Built-in Q90BD pcb integrated in the upper side of the barrier.

Obstacle detection feature and integrated encoder. Twinning feature to synchronize two mirror barriers. Scheduled maintenance service function. Power-Saving mode to reduce consumption when in stand-by position.

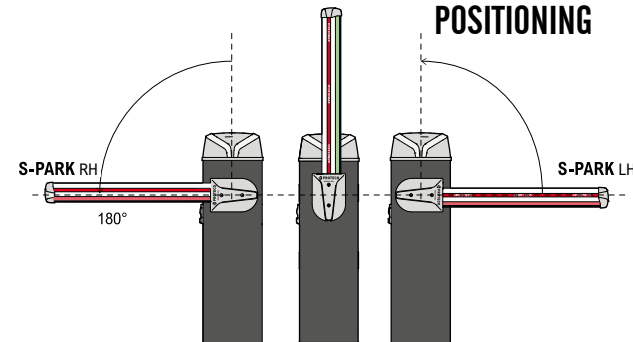
## THE RANGE

	Power supply	Entry way	Use	Opening time
S-PARK 4	24V	intensive	fino a 4 m	2.5" - 4"
S-PARK 6	24V	intensive	fino a 6 m	4.5" - 6"

## TECHNICAL FEATURES

	S-PARK 4 from 4 to 4 m	S-PARK 6 from 4 to 6 m
Main power supply	230V 50/60 Hz	230V 50/60 Hz
Motor Voltage	24V dc	24V dc
Motor Torque	120 Nm	180 Nm
Opening speed	2.5 + 4 sec.	4.5 + 6 sec.
Operating temperature	-25°C + +55°C	-25°C + +55°C
Duty Cycle	80% (max cycles/hour 200)	80% (max cycles/hour 130)
Dimensions	340x235 H 1210	340x235 H 1210
IP rating	54	54

## POSITIONING





## OPTIONAL ACCESSORIES



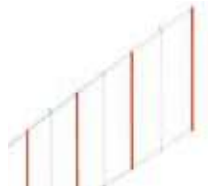
Shock-proof rubber 4 m boom  
Shock-proof rubber 6 m boom



Boom - Led Strip 4 m with wire  
Boom - Led Strip 6 m with wire



Boom - reflective stickers set  
(20 pieces)



Hanging rack



Moving support



Fixed support



Kit for articulated  
boom mounting



**ANGIE**  
4-ch remote  
control



**RF40**  
Photocells 12-24V  
external installation



2 back up batteries set  
1,2Ah with wires for  
connection to Q90BD

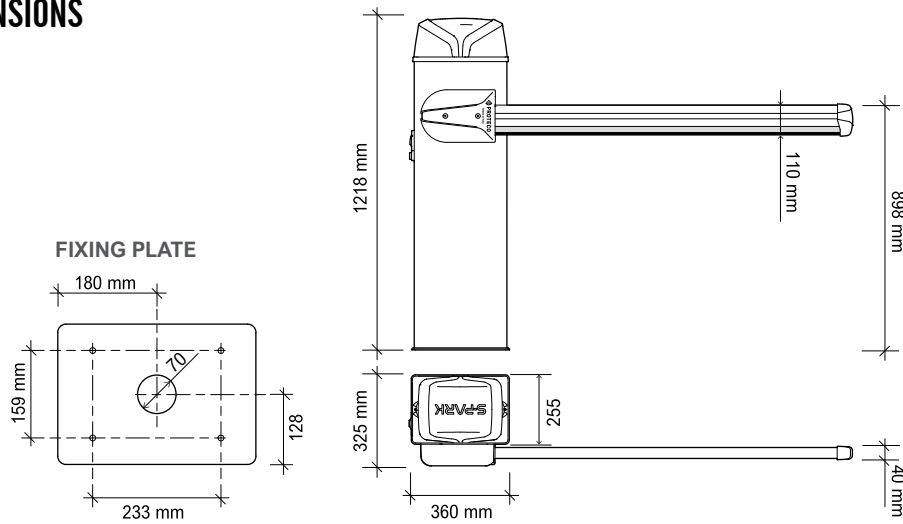


**RG01**  
1-ch loop detector

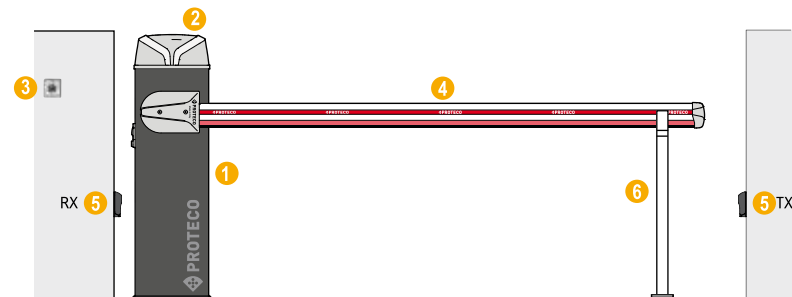


**RG02**  
2-ch loop detector

## DIMENSIONS



## INSTALLATION MAP



1\_Complete barrier with control unit and radio receiver 2\_Flashing light 3\_Key switch  
4\_Aluminium boom 5\_Outer photocells 6\_Fixed support



# BARRY



Road barrier for drive ways with heavy transit flows, clearance width of up to 6m. Ideal for residential facilities and apartment blocks.

## 230V - 24V

Powder coated aluminium cabinet fitted with LED luminous signaling and integrated flashing light.

One single version to handle drive ways from 3,6 to 6m, equipped with adjustable springs according to the length needed.

Telescopic boom provided with ground plate and fixed support.

### Built-in control unit integrated with radio receiver.

Obstacle detection features.

Automatic or step by step closing.

Trimmers regulation for torque and closing time settings.

Fault signaling by LED warning.

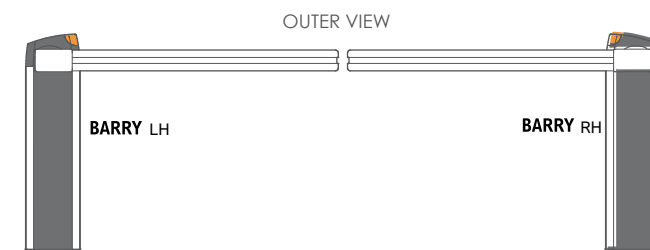
## THE RANGE

	Power supply	Drive way	Installation	Opening time
<b>BARRY dx</b>	230V	6"	RH	3,6 - 6 m
<b>BARRY sx</b>	230V	6"	LH	3,6 - 6 m
<b>BARRY DC dx</b>	24V	6"	RH	3,6 - 6 m
<b>BARRY DC sx</b>	24V	6"	LH	3,6 - 6 m

## TECHNICAL FEATURES

	BARRY 230V AC	BARRY 24V DC
Power supply	230V ~ 50Hz	230V ~ 50Hz
Motor Voltage	230V ac	24V dc
Motor power	200W	160W
Absorption max	1,5A @230V	1,2A @230V
Opening time	circa 6 sec.	circa 6 sec.
Automatic closing	da 1 a 60 sec.	da 1 a 60 sec.
Boom max. length	6 m	6 m
Accessories	12Vdc, 8W max.	24Vdc, 8W max.
Working temperature	da -20 a +50 °C	da -20 a +50 °C
Frequency	433,92 Mhz	433,92 Mhz

## POSITIONING



## ACCESSORIES INCLUDED



**PBRAT0**  
Telescopic boom 3.6+2.7 m for BARRY



**MBRR28**  
Fittings



**PBRG105**  
Fixed support

## OPTIONAL ACCESSORIES



**RG01**  
1-ch loop detector



**RG02**  
2-ch loop detector



**RF40**  
Photocells 12-24V  
for external mounting

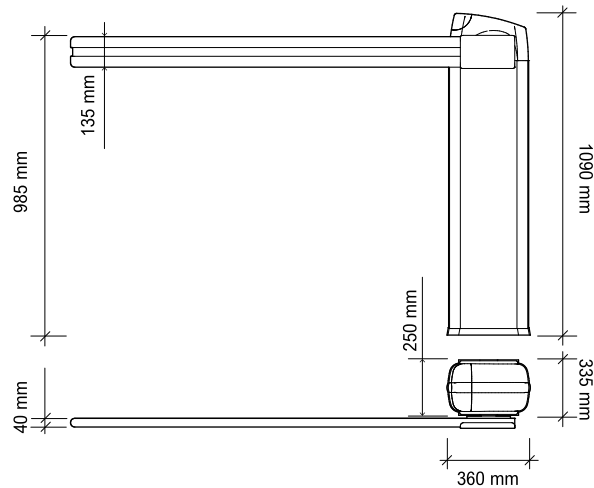


**ANGIE**  
4-ch remote control

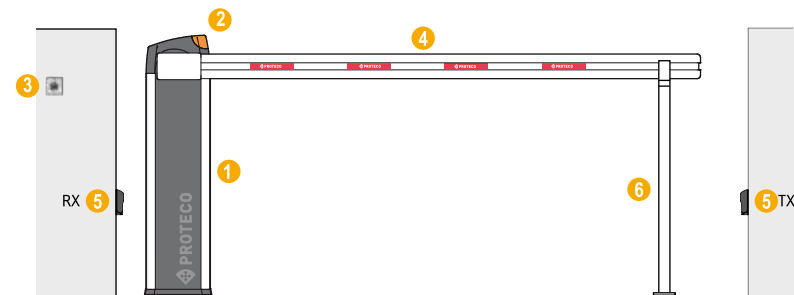


**RF12**  
Metal post for RF40

## DIMENSIONS



## INSTALLATION MAP



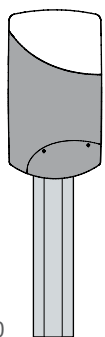
1\_Complete barrier with control unit and radio receiver 2\_Flashing light 3\_Key switch  
4\_Aluminium boom 5\_Outer photocells 6\_Fixed support





# GARAGE Door Automation

## SELECTION GUIDE



**LIBRA**

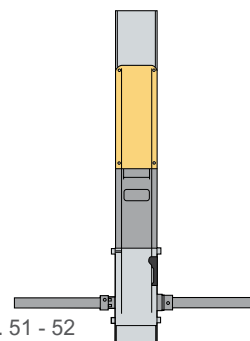
Max lift 60 Kg

**LIBRA**

Max lift 100 Kg

**LIBRA PLUS**

p. 49 - 50



p. 51 - 52

**SWING**

Max door width 8 m<sup>2</sup>

# LIBRA

Garage automation for SECTIONAL doors,  
surface area up to 12 m<sup>2</sup>.

## 24V

External display buttons for easier start-up and diagnoses.  
Obstacle detection feature, automatically calibrates forces according to the weight of the door.  
Encoder system to ensure greater safety and reliability.  
Automatically tests photocells during installation.  
Dead man feature, allows to open the door by remote control in case of faulty photocell operation.  
Safety stop contact, allows the connection of a pedestrian door.  
Built-in LED courtesy light, equipped with energy saving system.  
Chain drive track, plus pull-cord release to fit onto the door's lock and handle system.  
Suitable for protruding overhead garage door as well, using the optional adapter arm.



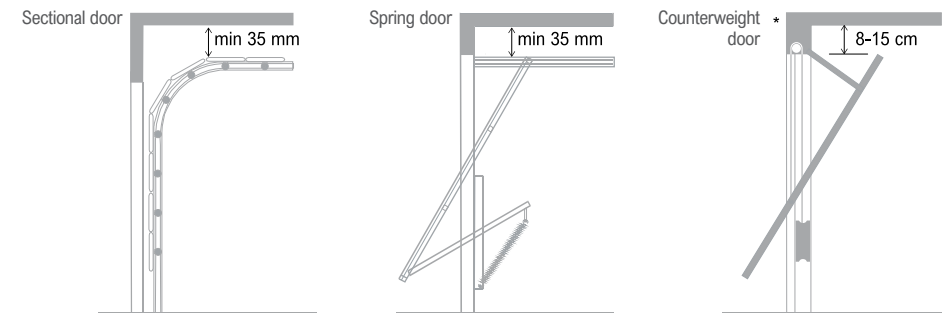
### THE RANGE

	Power supply	Force	Guide	Max. load
<b>LIBRA</b>	24V	700 N	3,0 m	60 Kg
<b>LIBRA Plus</b>	24V	1100 N	3,3 m	100 Kg

### TECHNICAL FEATURES

	LIBRA	LIBRA Plus
Motor power supply	24Vdc	24Vdc
Stand-by consumption	4 W	4 W
Rated power	100 W	150 W
IP protection class	40	40
Pulling thrust	700 N	1100 N
Opening time	17"	17"
Max door size	8 m <sup>2</sup>	12 m <sup>2</sup>
Max door load	60 Kg	100 Kg
Max door height	2,4 m	2,7 m
Duty cycle	80%	80%
Rail	3 m	3,3 m

### DOOR TYPE



\* just if installed with the according adapter arm PARC01

## KIT CONTENT

Automated operator featuring a control board and radio receiver 433.92 MHz

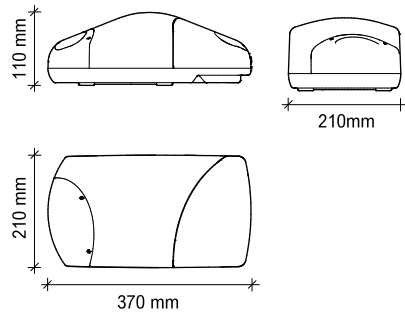


Chain guide 3 m / 3,3 m



**ANGIE**  
4-ch remote control

## DIMENSIONS



## OPTIONAL ACCESSORIES



**MLIR07**  
Pull-cord release and resetting device to fit on door handle



**RC22**  
Mechanical safety strip 24 mm x 2,5 m



**LUCE**  
LED 24V flashing light



**RS15**  
Key switch



**RF40**  
Photocell set 12-24V external mounting

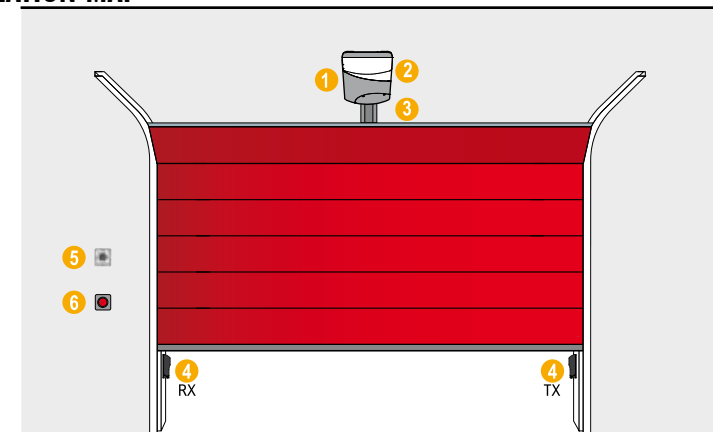


**RT37**  
Wireless keypad



**PARC01**  
Adapter arm for protruding overhead doors

## INSTALLATION MAP



1\_Door opener featuring control board and radio receiver 2\_Courtesy light 3\_Chain guide  
4\_Photocells 5\_Key switch 6\_Emergency push button



# SWING

Garage automation for **OVERHEAD** doors, for residential and industrial facilities, surface area up to 8 m<sup>2</sup>.

## 230V

Locked electromechanical door opener.  
Adjustable electromechanical limit switches.  
Built-in courtesy light and internal release handle for manual operation.  
Drive track 1,2 m included.  
Available with embedded control board, radio receiver, and obstacle detection.



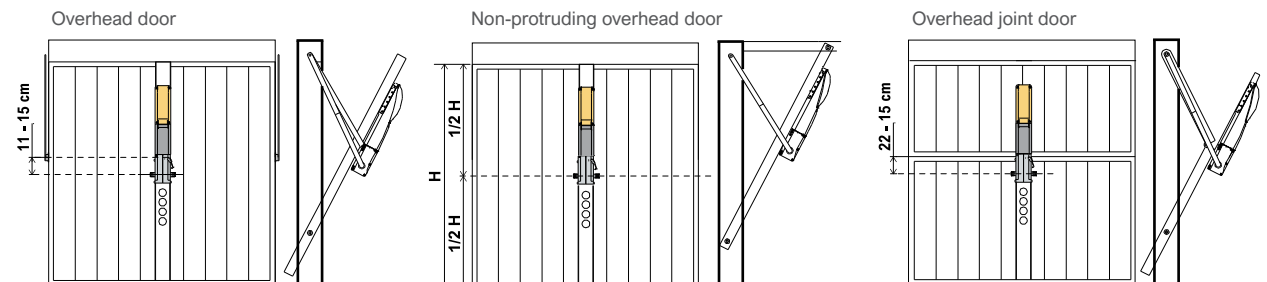
### THE RANGE

	Power supply	Drive track	Control board
<b>SWING</b>	230V	1,2 m	Q80S
<b>SWING CN</b>	230V	1,2 m	-

### TECHNICAL FEATURES

	<b>SWING</b>
Power supply	230V ~ 50Hz
Current	1.0A
Motor power	300 W
Capacitor	10 µF
IP protection class	54
Revolution speed	1400 rpm
Standard opening time	18"
Max door size	8 m <sup>2</sup>
Duty cycle	50%

### DOOR TYPE





## OPTIONAL ACCESSORIES



**E 102C**  
Straight arms kit for central mounting



**E 102U**  
Curved arms kit for central mounting



**E102L**  
Fittings kit for side mounting



**E101**  
Release kit for existing lock



**RC22**  
Mechanical safety strip 24 mm x 2,5 m



**ANGIE**  
4-ch remote control



**RS15**  
Key switch

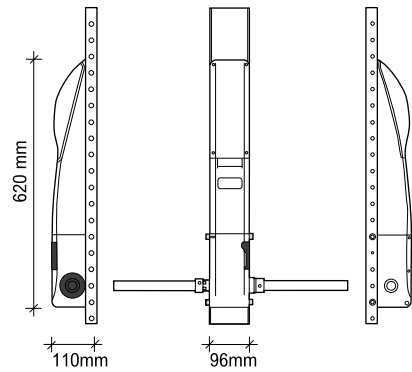


**RF40**  
Photocell set 12-24V external mounting



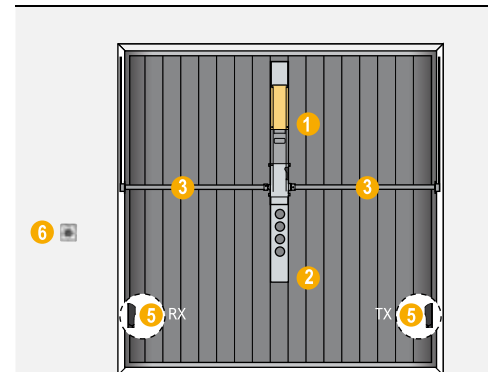
**LUCE**  
LED 24V flashing light

## DIMENSIONS

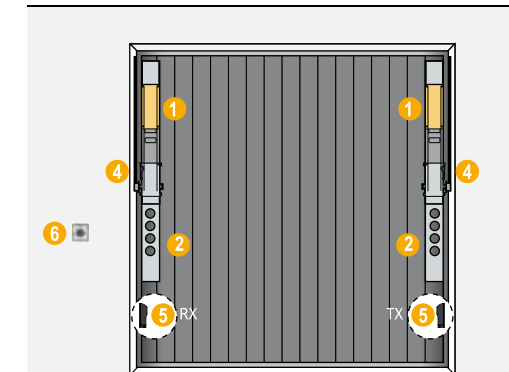


## INSTALLATION MAP

CENTRAL APPLICATION

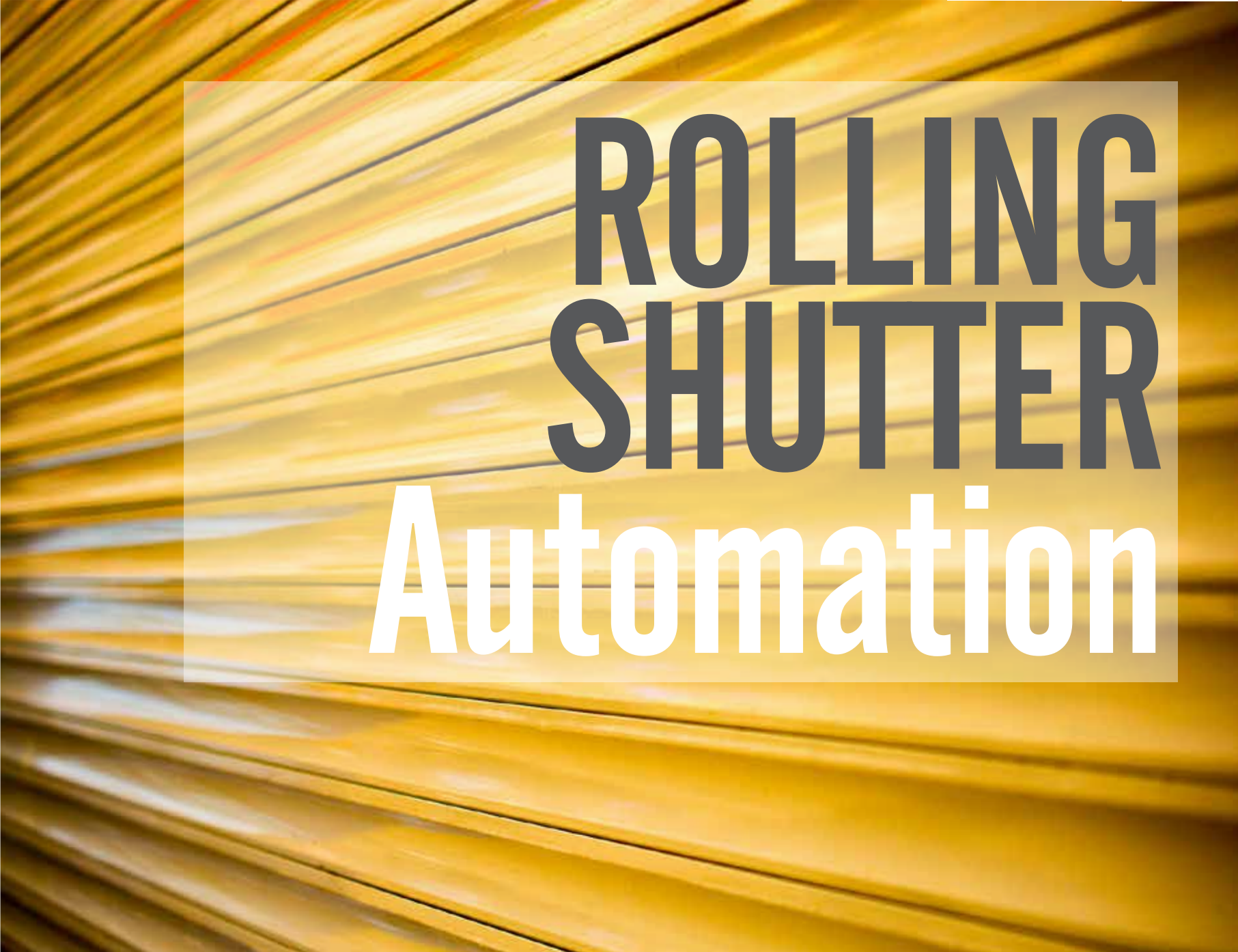


SIDE APPLICATION



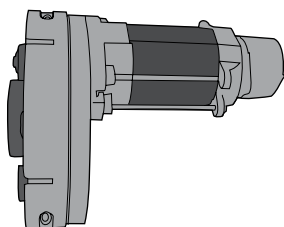
- 1\_ Door opener featuring control board and radio receiver 2\_Drive track 3\_Fittings for central application  
4\_ Fittings for side application 5\_Photocells 6\_Key switch



The background of the slide is a blurred, golden-yellow image with diagonal streaks, suggesting motion or a rolling shutter effect. A semi-transparent white rectangular box is centered on the page, containing the main title text.

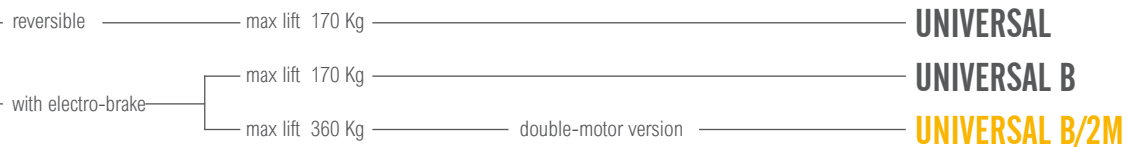
# ROLLING SHUTTER Automation

# ROLLING SHUTTER SELECTION GUIDE



p. 55 - 56

## UNIVERSAL



# UNIVERSAL

Automated operator for rolling shutters,  
for residential and industrial areas.

## 230V

Suitable for existing or brand new shutters.  
Built-in limit switches, to ensure easier safe regulation in opening and closing.  
Available in reversible or locked version, featuring electro-break and release system for manual operation.  
Transmission gear accessories and spring pulley adapters included.  
For big shutters dual-motor operator available.



UNIVERSAL B-2M



UNIVERSAL B



UNIVERSAL

## THE RANGE

	Power supply	Version	Ø Shaft	Ø Spring-pulley	Max. Load
<b>UNIVERSAL</b>	230V	reversible	60-48 mm	200-220 mm	170 Kg
<b>UNIVERSAL B</b>	230V	locked	60-48 mm	200-220 mm	170 Kg
<b>UNIVERSAL B/2M</b>	230V	locked dual motor	100-76 mm	240 mm	360 Kg

## TECHNICAL FEATURES

	UNIVERSAL	UNIVERSAL B	UNIVERSAL B-2M
Power supply	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz
Current	2.7A	2.7A	5.5A
Motor power	600 W	600 W	1260 W
Thrust	178 Nm	178 Nm	443 Nm
Pulley speed	10 rpm	10 rpm	8 rpm
Max load	170 Kg	170 Kg	360 Kg
Max stroke	6 m	6 m	6 m
Drive-shaft diameter	60/48 mm	60/48 mm	76 mm
Spring-holder pulley	200/220 mm	200/220 mm	240 mm
Duty cycle	30%	30%	30%

## OPTIONAL ACCESSORIES



**RT23**  
Secure lock box featuring release device for manual operation



**ANGIE**  
4-ch remote control



**RS15**  
Key switch

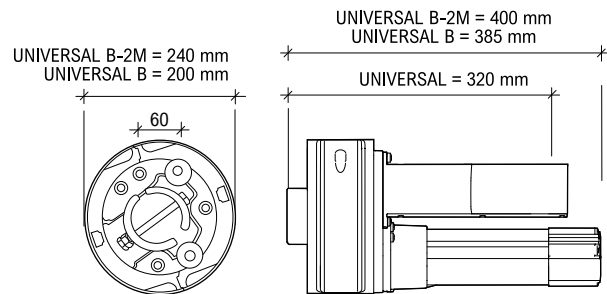


**RF40**  
Photocells 12-24V external mounting

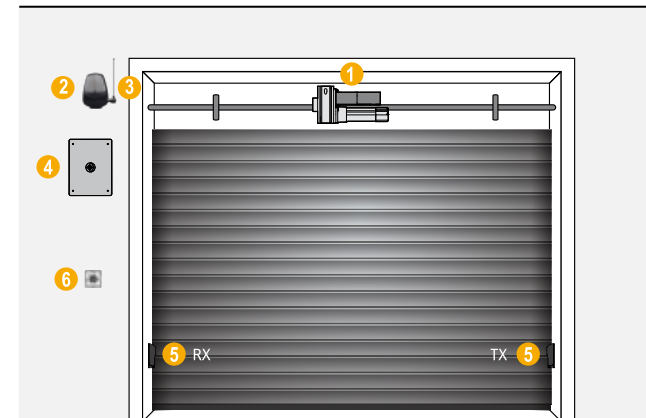


**Q45**  
Control board 230V for shutters

## DIMENSIONS



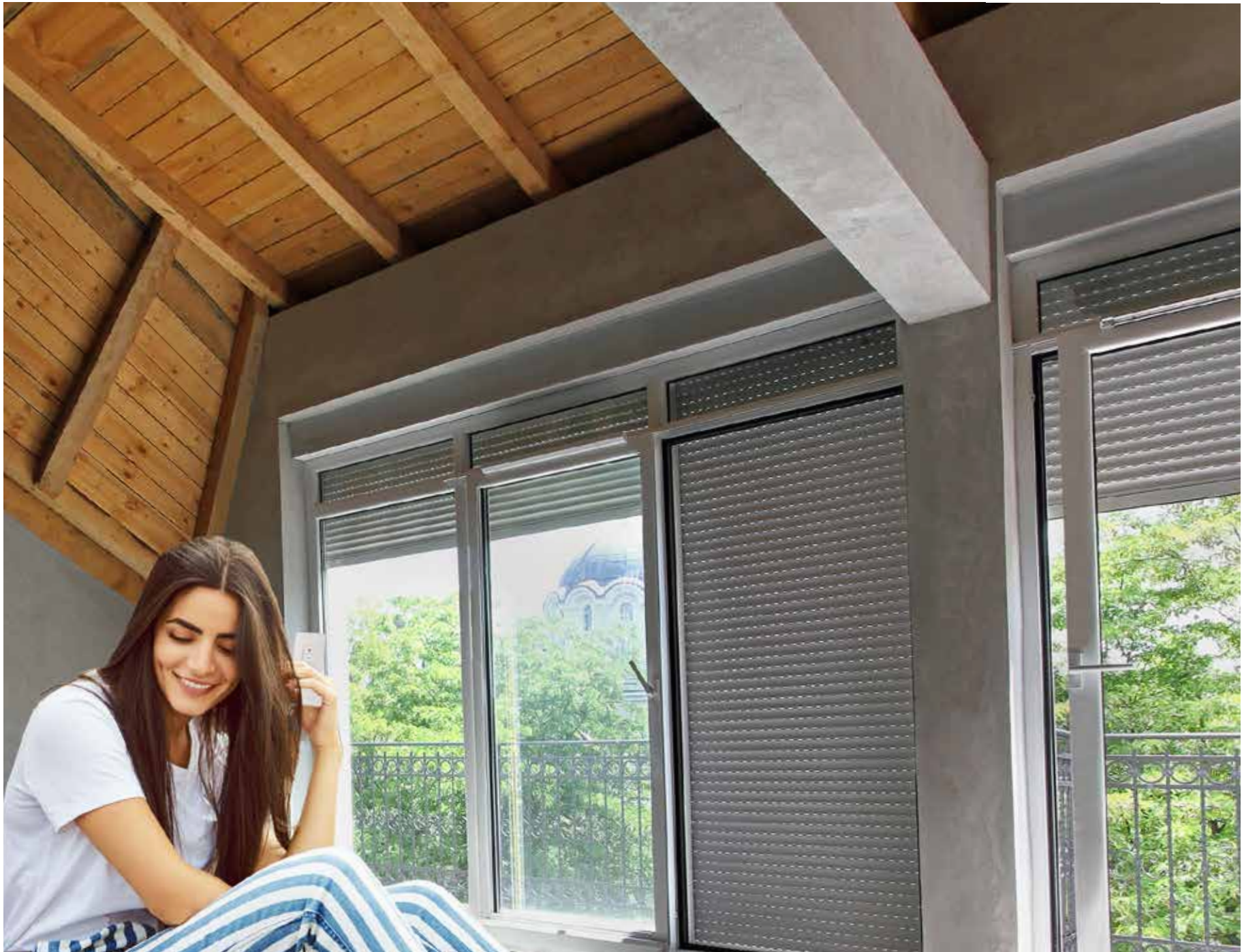
## INSTALLATION MAP



1\_Automated operator 2\_Flashing light 3\_Outstanding antenna 4\_Control board  
5\_Outer photocell 6\_Key switch



# BLIND AND AWNING Automation



# PTP45

Tubular motors Ø45 mm for awnings and blinds.

230V

Tubular motor featuring electro-brake, powerful and noiseless.  
Quick and easy installing on new and existing blinds and awnings.  
Mechanical limit-switches with progressive adjustment both in opening and closing position.  
Bracket and Ø 60 mm octagonal shaft adapter included.  
Version featuring manual override system available (M models).



THE RANGE	Power supply	Ø	Force	rpm	Consumption	Max. load (Ø 60mm shaft)
PTP45 20	230V	45 mm	20 N	17	0.14 kW	32 Kg
PTP45 30	230V	45 mm	30 N	17	0.19 kW	52 Kg
PTP45 50	230V	45 mm	50 N	13	0.23 kW	90 Kg
PTP45 50M	230V	45 mm	50 N	13	0.23 kW	90 Kg

## SELECTION GUIDE

Projection of arms	Number of arms		
	2	4	6
4 m	PTP45 50 - PTP45 50M		
2,5 m	PTP45 30	PTP45 50	
1,5 m	PTP45 50M		

Interior blind Ø70 mm (adapter in option)

Material	MAX m²							
	2,5	3,5	4	5,25	7	8	9,5	15
PVC and light-weight aluminium 6 kg/m²	PTP45 20			PTP45 30			PTP45 50	
Extruded aluminium and standard inox 9,5 kg/m²	PTP45 20		PTP45 30		PTP45 50			N.A.
Armored inox and wood 12,5 kg/m²	PTP45 20	PTP45 30		PTP45 50		N.A.		

Interior blind Ø60 mm (adapter in option)

## TECHNICAL FEATURES

	PTP45 20	PTP45 30	PTP45 50	PTP45 50M
Power supply	230V	230V	230V	230V
Thrust	20 Nm	30 Nm	50 Nm	50 Nm
Current	0.68A	0.95A	1.06A	1.06A
Motor power	155 W	226 W	244 W	244 W
Motor speed	17 rpm	17 rpm	13 rpm	13 rpm
Weight	2.3 Kg	2.35 Kg	2.4 Kg	3.3 Kg
Limit revs	440 mm	480 mm	480 mm	620 mm



## CONTENTS

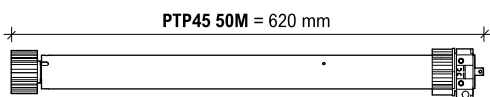
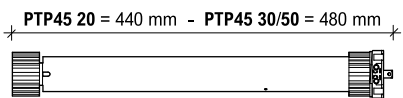
### PTP45



### PTP45 50M



## DIMENSIONS



## OPTIONAL ACCESSORIES



**PTPQ01W**  
Radio receiver  
433 MHz



**PTPTX1W**  
Remote control  
433 MHz  
1-channel



**PTPTX5W**  
Remote control  
433 MHz  
5-channels



**PTPS03W**  
Wind/sun sensor,  
solar powered



**PTPR01W**  
Adapter Ø70 mm  
for awnings



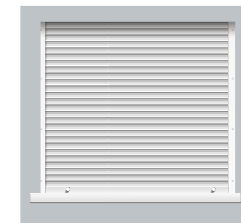
**PTPR03W**  
Motor bracket,  
wall mounting

## INSTALLATION MAP

### AWNINGS



### BLINDS





# Control boards

## CONTROL BOARDS

# Q80A

## 230V control board for single or double swing gates

Control board powered at 230V  
Also available in 115V

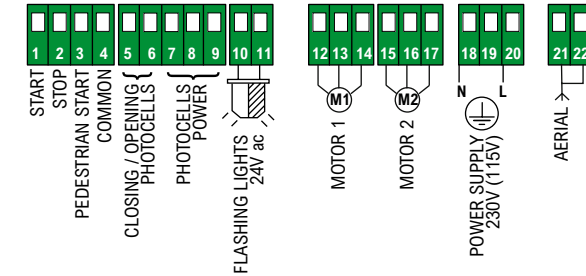
Motors powered at 230V  
Also available in 115V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working times and deceleration for each motor.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photozell and motor test.
- Working cycles counter.
- Separate OPEN/CLOSE push buttons function.
- Can command a timer.
- Optional card module interface for electric-lock, "reversing stroke" and "lock pulse" functions.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



**MRX01** AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



**MELO4** Card module interface for electric-lock (12V, 15W).



**RT16** Electric-lock 12V 18VA horizontal Lh or RH installation, for single-leaf gates.



**RT17** Electric-lock 12V 15VA vertical installation, complete with ground pin.



## CONTROL BOARDS

# Q60A

## 230V control board for single or double swing gates

Control board powered at 230V

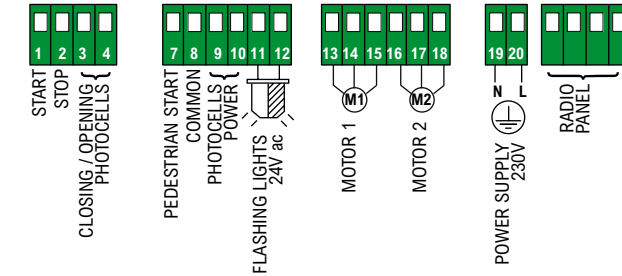
Motors powered at 230V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Separate sequential settings for each function.
- Electronic settings of force, working and deceleration times for each motor.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Photocell and motor test.
- Optional card module interface for electric-lock, "reversing stroke" and "lock pulse" functions.
- Plug- in terminals.
- Input for a timer.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



**MELO1** Card module interface for electric-lock (12V, 15W).



**RT16** Electric-lock 12V 18VA horizontal Lh or RH installation, for single-leaf gates.



**RT17** Electric-lock 12V 15VA vertical installation, complete with ground pin.



## CONTROL BOARDS

# Q81A

## 230V control board for single or double swing gates

Control board powered at 230V  
Also available in 115V

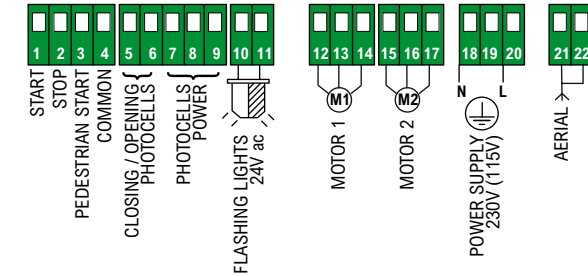
Motors powered at 230V  
Also available in 115V



### MAIN FEATURES

- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential programming for working and deceleration times.
- Trimmers setting of force and obstacle detection sensitivity.
- Self-diagnosis with LED signaling of faults.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Automatic or step by step closing mode.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Can command a timer.
- Optional card module interface for electric-lock, "reversing stroke" and "lock pulse" functions.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug- in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



**MRX01** Card module interface  
for electric-lock (12V, 15W).



**MELO4** Card module interface for electric-lock  
(12V, 15W).



**RT16** Electric-lock 12V 18VA horizontal Lh or RH  
installation, for single-leaf gates.



**RT17** Electric-lock 12V 15VA vertical installation,  
complete with ground pin.



## CONTROL BOARDS

# Q20A

## 24V control board for single or double swing gates

Control board powered at 230V  
Also available in 115V

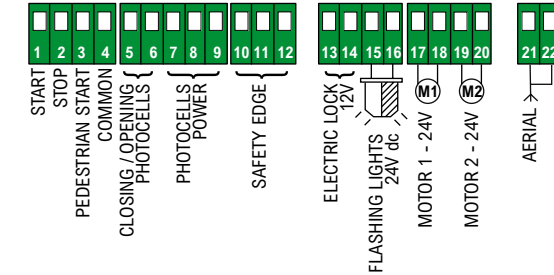
Motors powered at 24V



### MAIN FEATURES

- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working times and deceleration for each motor.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Can command a timer.
- Built-in charger.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug- in terminals.
- Input for 8K2 resistive safety strip.
- Output for electric-lock 12Vac/dc.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



**MRX02** AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



**RT16** Electric-lock 12V 18VA horizontal Lh or RH installation, for single-leaf gate.



**RT17** Electric-lock 12V 15VA vertical installation, complete with ground pin.



**QBAT1.2** Battery 12V 1.2Ah.



**KBT001** Battery wiring set.



**MPIQ03** Battery fixing plate for PAR04 housing.



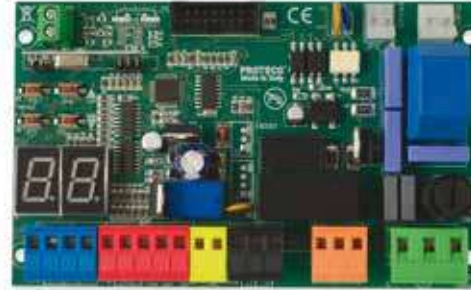
## CONTROL BOARDS

# Q80S

## 230V control board for sliding gates

Control board powered at 230V  
Also available in 115V

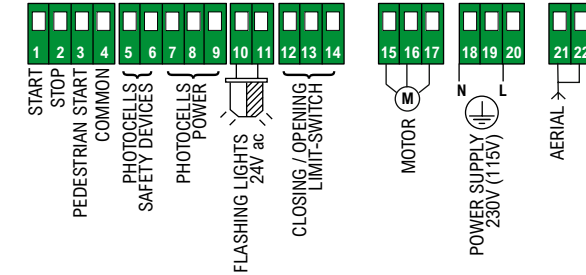
Motor powered at 230V  
Also available in 115V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working and deceleration times for each motor.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug- in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



### MRX01

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



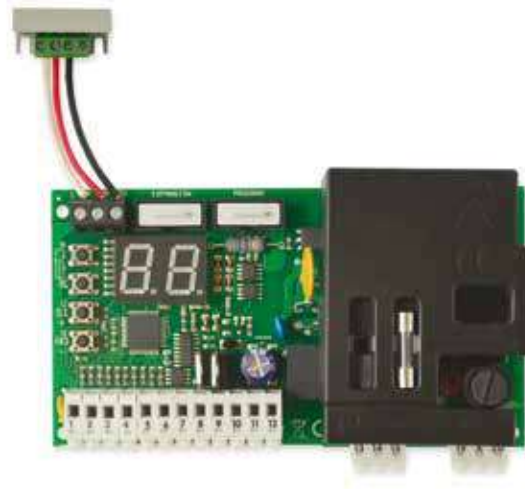
## CONTROL BOARDS

# Q60S

## 230V control board for sliding gates

Control board powered at 230V

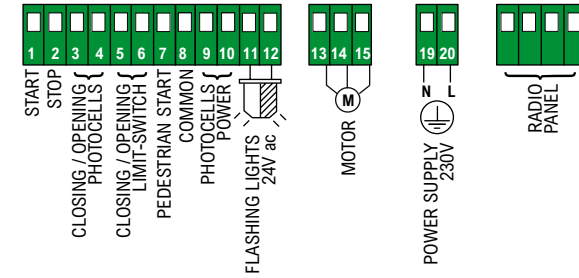
Motor powered at 230V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Separate sequential settings for each function.
- Electronic settings of force, working and deceleration times.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Photocell and motor test.
- Plug- in terminals.
- Input for a timer.
- Plug-in radio receiver 433.92MHz.

### WIRING





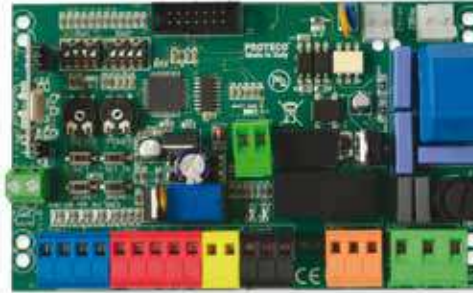
## CONTROL BOARDS

# Q81S

## 230V control board for sliding gates

Control board powered at 230V  
Also available in 115V

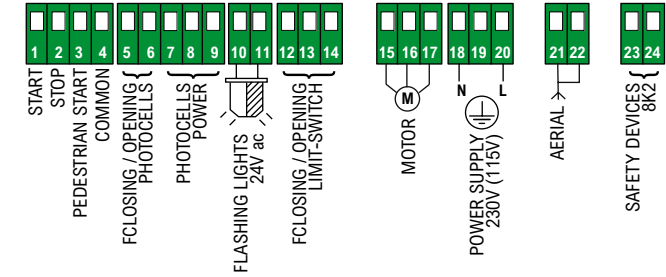
Motor powered at 230V  
Also available in 115V



### MAIN FEATURES

- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential programming for working and deceleration times.
- Trimmers setting of force and obstacle detection sensitivity.
- Self-diagnosis with LED signaling of faults.
- Pedestrian opening.
- Multi-occupation function.
- Automatic or step by step closing mode.
- Quick closing "follow me" feature.
- Dead man functioning.
- Photo cell and motor test.
- Can command a timer.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug- in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



### MRX01

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



## CONTROL BOARDS

# Q20S

## 24V control board for sliding gates

Control board powered at 230V  
Also available in 115V

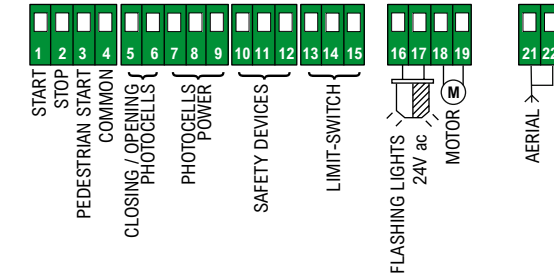
Motor powered at 24V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working and deceleration times for each motor.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Built-in charger.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug- in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



**MRX02** AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



**QBAT1.2** Battery 12V 1.2Ah.



**KBT001** Battery wiring set.



**MSU14** Battery fixing plate for MEKO sliding motors range.



## CONTROL BOARDS

# Q90SA

## MATRIX range - 230V control board for sliding gates

Control board powered at 230V

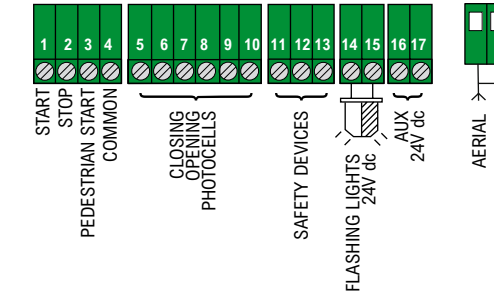
Motor powered at 230V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Electronic settings of working and deceleration times.
- Electronic inertia control.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Pedestrian opening.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92MHz.
- Optional card module interface to synchronize a double sliding gate.

### WIRING



### OPTIONAL ACCESSORIES



#### MRX01

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



Optional card module interface to synchronize a double sliding gate.



## CONTROL BOARDS

# Q90SH

## MATRIX range - control board for BRUSHLESS sliding gates

Control board powered at 230V  
Also available in 115V

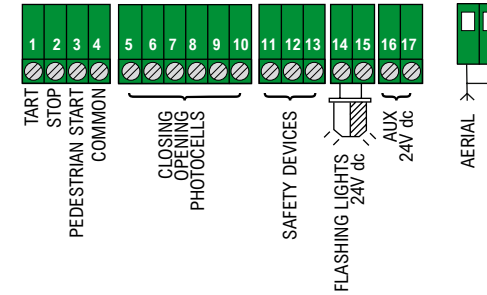
BRUSHLESS motor powered at 48V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Adjustable motor speed.
- Electronic settings of working and deceleration times.
- Electronic inertia control.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Pedestrian opening.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Output AUX for optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92MHz.
- Optional card module interface to synchronize a double sliding gate.

### WIRING



### OPTIONAL ACCESSORIES



**MRX01** AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



Optional card module interface to synchronize a double sliding gate.



Back-up battery set 1,2Ah and wirings.



## CONTROL BOARDS

# Q90BD

## S-PARK road barriers' range Control board 24V

Control board powered at 24V  
Also available in 115V

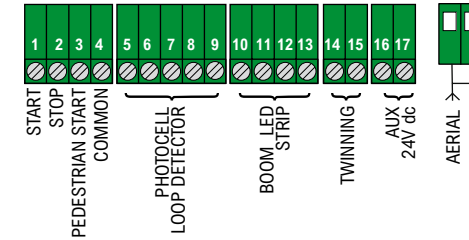
Motor powered at 24V



### MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Electronic regulation of deceleration time.
- Multi-occupation function.
- Automatic, semi-automatic and step by step closing mode.
- Quick closing "follow me" function.
- Working cycles counter.
- Twinning function, for the synchronization of two mirror barriers.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Built-in battery charger.
- AUX output for: 2° radio channel, or gate status notice, or courtesy light.
- Plug- in terminals.
- Plug-in radio receiver 433.92MHz.

### WIRING



### OPTIONAL ACCESSORIES



**MRX01** Optional AUX card module to command a 2° radio channel, or control the gate status, or fit a courtesy light.



Back-up battery set 1,2Ah and wirings.



## CONTROL BOARDS

# Q45

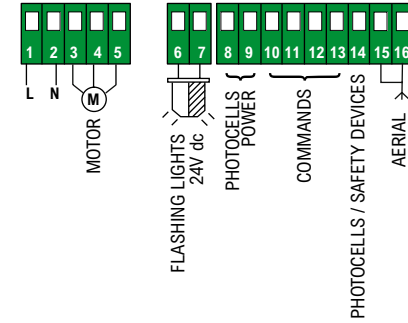
## Control board 230V for rolling shutters

Control board powered at 230V

Motor powered at 230V



### WIRING















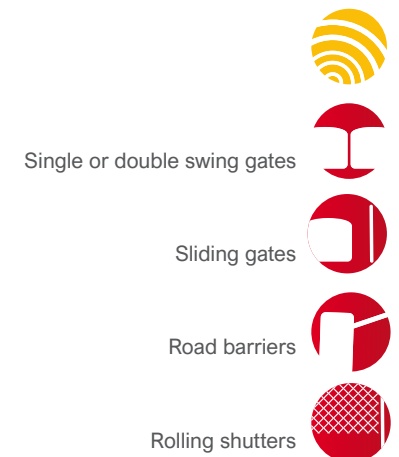
### MAIN FEATURES

- Sequential programming mode of working times.
- Adjustable automatic closing or step by step closing.
- Delayed opening function in case of multiple automated shutters.
- Can command a timer.
- Dead man feature.
- Flashing light output.
- Photocells and safety strips output.
- Plug-in terminals.
- Embedded radio receiver 433.92MHz.



# LIST OF SETTINGS

SETTINGS	Q80A	Q60A	Q81A	Q20A	Q80S	Q60S	Q81S	Q20S	Q90SA	Q90SH	Q90BD	Q45
												
Control board power	230V 115V	230V	230V 115V	230V 115V	230V 115V	230V	230V 115V	230V 115V	230V	230V 115V	230V 115V	230V
Motor power	230V 115V	230V	230V 115V	24V	230V 115V	230V	230V 115V	24V	230V	48V	24V	230V
Programming screen/fault diagnostic	●	●		●	●	●		●	●	●	●	
Obstacle detection (EN 12453)	●		●	●	●		●	●	●	●	●	
Simplified self-programming mode	●		●	●	●		●	●	●	●	●	
Sequential programming mode	●	●	●	●	●	●	●	●				●
Automatic closing	●	●	●	●	●	●	●	●	●	●	●	●
Step by step mode	●	●	●	●	●	●	●	●	●	●	●	●
Multi-occupation feature	●	●	●	●	●	●	●	●	●	●	●	
Pedestrian opening	●	●	●	●	●	●	●	●	●	●		
Adjustable deceleration time	●	●	●	●	●	●	●	●	●	●	●	
Adjustable delay time	●	●	●	●								
Reversing strock / Lock pulse	●	●	●	●								
Separate OPEN/CLOSE push buttons	●			●	●			●	●	●	●	
Maintenance service				●				●	●	●	●	
Dead man					●		●	●	●	●		●
Working cycles counter	●			●	●			●	●	●	●	
BUILT-IN radio receiver 433,92 MHz												●
PLUG-IN radio receiver 433,92 MHz	●		●	●	●		●	●	●	●	●	
PRE-WIRED radio receiver 433,92 MHz		●										
Input resistive safety edge 8K2	●		●	●	●		●	●	●	●		
Electric-lock interface 12V ac/dc OPTIONAL	●	●	●									
Output electric-lock 12Vac/dc				●								
Output AUX/2° radio channel									●	●	●	
2° radio channel interface - OPTIONAL	●		●	●	●		●	●				
Battery powered				●				●			●	







# SAFETY ACCESSORIES

## **RADIO DEVICES**

Radio receivers  
Antennas  
Remote controls

**77**

## **SAFETY DEVICES**

Sensors  
Flashing lights  
Safety edges

**79**

## **COMMAND DEVICES**

Keypads  
Key switches  
Loop detectors

**81**

# RADIO DEVICES

## ANTENNAS

### PANT01

Extension antenna.  
Provided with fittings (fixing support and coaxial cable 3.5 m length).  
Radio frequency 433.92MHz.



## RADIO RECEIVERS

### RX 433

Radio receiver for external mounting, complete with case and aerial.  
Available in 1 or 4-channel version.  
Optional memory card with 512 code storage capacity.  
Power supply 12/24Vac/dc.

Model	Power supply	Frequency	Channel	Storage capacity
RX 433 1	12/24V ac/dc	433.92 MHz	1	64
RX 433 4	12/24V ac/dc	433.92 MHz	4	64



# TRANSMITTERS



## ANGIE

4-ch remote control.  
Works with any Proteco systems.  
Extended radio range.  
Available in fixed code or rolling code version.

Model	ANGIE	ANGIE-R
Battery	A23/23A	A23/23A
Frequency	433.92 MHz	433.92 MHz
Channels	4	4
Type of code	Random fixed code	Rolling-code



## TX312

3-ch remote control.  
Soft-touch finishing.  
Works with any Proteco systems.  
Available in fixed code or rolling code version.

Model	TX312	TX312-R
Battery	A23/23A	A23/23A
Frequency	433.92 MHz	433.92 MHz
Channels	3	3
Type of code	Random fixed code	Rolling-code



## TX4334

3-key remote control, 4 channels.  
Works with any Proteco systems.  
Dip-switches fixed code.

Model	TX4334
Battery	A23/23A
Frequency	433.92 MHz
Channels	3+1
Type of code	Dip-switches fixed code

# SAFETY DEVICES

## FLASHING LIGHTS



### LUCE

Sleek design, LED flashing light.  
A wall-mounting support suitable for all installations.  
It can be fitted with an antenna PANT to boost the radio signal.  
Long life and low consumption (2.5W).  
Power supply 24Vac/dc.  
Available in amber yellow or anthracite gray look.

# SENSORS



## RF40

Wired infrared photocells.  
Wall or RF12 iron posts-mounting.  
Power supply 12/24Vac/dc.



## RF33

Wireless safety photocells.  
Adjustable up to 90°.  
Battery-powered transmitter.  
Input for safety edges.  
Power supply 12/24Vac/dc.  
Batteries included.



## RF02

Recessed safety photocells.  
Adjustable orientation.  
Power supply 12/24Vac/dc.



## RF12

Metal coated post  
for RF40 sensors.  
Post height 55 cm.

# SAFETY EDGES



## RC22

Resistive mechanical safety edge.  
Suitable both for swing and sliding gates.  
Resistive 8K2 wired system (fail-safe).  
Complete with aluminium support, sensor  
and wire (2 m).  
Rubber profile 60mm.  
Profile length 2 m.



## RC23

Electro-mechanical safety edge.  
Rubber profile 25mm.  
Suitable both for garage doors and  
traffic barriers.  
Complete with aluminium support,  
sensor and wire (2.5 m).  
Profile length 2.5 m.

# COMMAND DEVICES

## KEYPADS



### RT35

Anti-vandalism stainless steel keypad.  
Metal keys.  
60 code memory storage.  
Output relay 1A and 5A.  
Power supply 12/24Vac/dc.



### RT36

Polycarbonate keypad.  
Permanent back lit keys.  
60 code memory storage.  
Output relay 1A and 5A.  
Power supply 12/24Vac/dc.



### RT37

Wireless keypad.  
Backlight for easy visibility and sound touch.  
IP protection IP65.  
Battery powered (batteries included).  
Radio frequency 433MHz.

# KEY SWITCHES



## RS15

Key switch, 1 micro.  
Wall-mounting and/or on metal post.

## RS16

Key switch, 2 micros.  
Wall-mounting and/or on metal post.



## RS10

Metal coated post.  
To house RS15 and RS16 key switches  
Height 110 cm.

# LOOP DETECTORS



## RG01

Magnetic loop detector.  
1 channel.  
1 presence relay + 1 pulse relay.  
Adjustable sensitivity at 4 different levels.  
Max. cable length 250 m.  
Power supply 24Vac/dc.



## RG02

Magnetic loop detector.  
2 channels.  
1 presence relay + 1 pulse relay.  
Adjustable sensitivity at 4 different levels.  
Max. cable length 250 m.  
Power supply 24Vac/dc.





# TERMS & CONDITIONS

## 1. PREAMBLE:

1.1 The present Terms & conditions, having as subject all kind of products supplied by Proteco S.r.l., shall regulate all present and future contracts of sale between Proteco S.r.l. and the Purchaser provided that the Purchaser has its registered office outside Italy.

Any modification or deviation from the present general conditions of sale shall be made in writing.

## 2. ORDERS:

2.1 The purchase orders collected by Proteco S.r.l. or by his agents and/or commercial intermediaries became binding only at the moment when the Purchaser receives the written order confirmation of Proteco S.r.l..

2.2 The forwarding of an order by the Purchaser as well as his acceptance of an offer, however effected, shall involve his adhesion to the present General Conditions of Sale.

## 3. CONFORMITY OF THE PRODUCTS:

3.1 Proteco S.r.l. represents that the products are in compliance with E.C. Directives, Regulations and Italian technical rules applicable to the products including those regarding safety and pollution.

Proteco S.r.l. does not guarantee the compliance of the products with the laws and technical rules in force in the Purchaser's country.

3.2 Any other data or parameter indicated in Proteco's advertising, commercial documents or other Proteco's documents of sale or deducible from the samples delivered by the Proteco S.r.l. will constitute only an approximate guide and they do not represent, in any case, a parameter for an evaluation of the compliance of the products.

## 4. PRICES AND PAYMENT:

4.1 The prices are those indicated in the Proteco's price list as in force from time to time.

They are expressed in Euro and they are intended exclusive from any national and foreign taxes and duties.

Any special characteristics, options, modifications required by the Purchaser shall be charged separately and added to the price list.

4.2 Unless differently agreed payments shall be made by means of bank transfer in advance, before delivery date, into the bank account indicated by the Proteco S.r.l. or by means of an irrevocable letter of credit to be confirmed by an Italian leading bank, cashable at sight against shipping documents, according to the text and characteristics required by the Proteco S.r.l..

4.3 In case of late payment Proteco S.r.l. may, after having notified the Purchaser in writing, suspend his performance of the contract until he receives payment or adequate banking guarantees covering the whole outstanding debt.

## 5. RESERVATION OF TITLE:

5.1 The Products shall remain the property of Proteco S.r.l. until paid for in full.

## 6. DELIVERY:

6.1 Unless differently agreed the delivery of the products shall be made FCA Proteco warehouse in accordance with International Chamber of Commerce Incoterms Revision 2010 which shall be deemed incorporated by reference into these General Conditions of Sale.

6.2 In case it is agreed that the shipment (or part of it) will be effected by Proteco S.r.l., this latter shall act as agent of the Purchaser being agreed that the shipment shall be done at the whole risk and charge of the Purchaser. Partial deliveries are allowed.

6.3 The delivery date shall be indicated under the Proteco's order confirmation.

In any case, Proteco S.r.l. is entitled a period of grace of 30 working days as of the expiry of the delivery date provided for in the order confirmation.

Expired the aforesaid term of grace the Proteco S.r.l. shall pay Purchaser a lump sum of 0,2% of the price of the Products delayed for each full week of delay as compensation for the damages caused by the delay up to the maximum limit of 2% of the price of the products subject of delayed delivery.

Any further compensation for damages suffered by the Purchaser in consequence of the delayed delivery is excluded.

## 7. GUARANTEE:

7.1 Subject to conditions hereinafter set out, Proteco S.r.l. shall remedy any defect of the products resulting from faulty design, materials or workmanship.

The present undertaking is limited to those defects which appear within a period of 36 months for the mechanical components or 24 months for the electronic components from the date of production printed on each product.

All the guarantees provided for hereinafter are conditional on compliance with the operating and maintenance instructions supplied by Proteco S.r.l..

The Purchaser shall notify in writing, by means of registered mail, of any defect within 10 working days from its discovery. Lacking this the purchaser will lose its right to have the defect remedied according to this guarantee.

Upon receipt of such notice, the obligation of Proteco S.r.l. under this guarantee is limited to, at Proteco's choice, and subject to prior examination of the defective products to be sent at Purchaser's risk and expenses:

i) Replace the defective products, ii) repair them or iii) issue a statement of credit for the amount corresponding to the products found defective.

Proteco S.r.l. is not liable for defects caused by faulty assembling or maintenance of the products by the Purchaser or due to non compliance to the instructions for assembling, nor for defects caused by alterations carried out without Proteco's written consent.

The present guarantee provided hereinabove absorbs and supersedes any other legal, statutory or contractual guarantee.

The Purchaser, in particular, shall have no right to claim damages, included loss of production, loss of profit, loss of use, loss of contracts or for any consequential, economic or indirect loss whatsoever, reduction of price or resolution of the contracts.

## 8. PRODUCT LIABILITY:

8.1 If Proteco S.r.l. incurs liability towards any third parties for product's liability he will be responsible only within the limit of amount and within the terms and conditions of his Product's liability insurance coverage.

## 9. GOVERNING LAW:

9.1 All the sale contracts concluded by parties shall be governed by the present general sale conditions and, to the extent that such questions are not covered by the present terms and conditions, by United Nations Convention on Contracts for the International Sale of Goods (Vienna Convention of 1980, hereafter referred to as «CISG»), and, to the extent that such questions are not covered by CISG, by Italian law.

## 10. DISPUTES RESOLUTION:

10.1 In case the Purchaser has its registered office in the territory of the European Union for any disputes arising out of or in connection with this contract the courts of Turin in Italy shall have exclusive jurisdiction; where the Purchaser has its registered office outside the territory of the European Union any disputes arising out of or in connection with this contract shall be settled by Arbitration in conformity with the Rules of the Piedmont Arbitral Chamber (see at <http://images.pie.camcom.it/f/Varie/RU/RULES2006.pdf>) by one arbitrator designed in accordance to said rules.





The parties undertake to comply with the arbitrator's award.



[www.proteco.net](http://www.proteco.net)

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